

**REPORTER**

Start from 1 and add/subtract

1 + 2 + 1,8 - 0 = 5



**SCORESHEET**

Fight 1 B, Stage: 1, Problem No. 14

sign

*TS*

Opatrný, Tomas

Rep: Pakistan

Opp: Croatia

Rev: Sweden

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                   | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                     |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfilment                                         | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                         |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> some                                            | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                         |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         |                                                                 |                                                   |                                                                         |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                   |                                                                         |

NOTES: *nucleon what was being no depends - plots with time evolution - apparently teacher + marks -> correct?*

**OPPONENT**

Start from 1 and add/subtract

1 + 1,5 + 2,2 + 2,2 - 0 = 7

| QUESTIONS ASKED                                                                      | OPPOSITION (SPEECH)                               |                                             |                                                      |                                       |                                            | DISCUSSION WITH REPORTER                        |                                                      |                                                   |                                       | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                |
|--------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------|
|                                                                                      | understanding of presentation                     | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                            | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion              | prioritisation                        |                                                                         |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                | 0 <input type="checkbox"/> almost nothing         | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor            | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input type="checkbox"/> some main points       | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable      | 1 <input type="checkbox"/> few                  | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used   | 2 <input type="checkbox"/> main points            | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair            | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
|                                                                                      | 3 <input type="checkbox"/> all relevant points    | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient       | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient | 3 <input type="checkbox"/> fair       |                                                                         |
|                                                                                      | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> + all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient      | 4 <input type="checkbox"/> very good  |                                                                         |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 2 + 2 + 2 + 1 ±  -  = 8

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                             |                                               |                                       | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                               |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding            | pros & cons                                   | prioritisation                        | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                      |                                                   |                                                                         |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong        | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant            | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                   | 1 <input type="checkbox"/> partial           | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 0 <input type="checkbox"/> none                   | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 2 <input type="checkbox"/> good              | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 1 <input type="checkbox"/> relevant, constructive | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
|                                                                                               | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                   |                                                                         |

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 1 + 1.5 - 0.5 = 3



**SCORESHEET**

Fight 1 B, Stage: 1, Problem No. 14

sign *[Signature]*

Merentsov, Alexander

Rep: Pakistan *Jia & Ahmed*

Opp: Croatia

Rev: Sweden *Simon Sander*

| REPORT                                                       |                                                     |                                                  |                                                            |                                                        |                                           |                                                   | DISCUSSION WITH OPPONENT                          |                                      | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                                                                                                                                                                                         |
|--------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------|------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------|---------------------------------------------------|---------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| phenomenon explanation                                       | theory/model                                        | relevant experiments                             | comparison between theory and experiment                   | own contribution                                       | task fulfillment                          | science communication                             | relevant arguments/responses                      | reporter's conduct at the discussion |                                                                                                                                                                                                                                             |
| 0 <del>almost no</del>                                       | 0 <del>almost no</del>                              | 0 <del>too few</del>                             | 0 <del>no/ almost no</del>                                 | 0 <del>others' data, incorrectly cited</del>           | 0 <del>misunderstood</del>                | 0 <del>unclear, chaotic</del>                     | 0 <del>too few</del>                              | 0 <del>poor</del>                    | 0 <del>concise and correct or no questions asked</del><br>1 <del>some incorrect, inconclusive or too long</del><br>-1 <del>deeply incorrect or show deep misconceptions</del><br>-2 <del>deeply incorrect or show deep misconceptions</del> |
| 1 <del>some</del>                                            | 1 <del>some</del>                                   | 1 <del>some</del>                                | 1 <del>some</del>                                          | 1 <del>review of sources, cited</del>                  | 1 <del>partly</del>                       | 1 <del>partly clear</del>                         | 1 <del>some</del>                                 | 1 <del>some aspects fine</del>       |                                                                                                                                                                                                                                             |
| 2 <del>fair</del>                                            | 2 <del>fair</del>                                   | 2 <del>fair</del>                                | 2 <del>not well fitting</del>                              | 2 <del>some own input</del>                            | 2 <del>average</del>                      | 2 <del>average</del>                              | 2 <del>many</del>                                 | 2 <del>good</del>                    |                                                                                                                                                                                                                                             |
| 3 <del>good</del>                                            | 3 <del>good</del>                                   | 3 <del>well performed, sufficient number</del>   | 3 <del>deviations qualitatively analysed</del>             | 3 <del>+ some interesting results</del>                | 3 <del>some aspects above average</del>   | 3 <del>some parts well done</del>                 | 3 <del>+ data/theory convincingly supported</del> | 3 <del>some aspects efficient</del>  |                                                                                                                                                                                                                                             |
| 4 <del>detailed demonstrative</del>                          | 4 <del>quite detailed, correct</del>                | 4 <del>+ results explained errors analysed</del> | 4 <del>+ theory limits explained, conclusive</del>         | 4 <del>considerable experimental or theoretical</del>  | 4 <del>interesting solution</del>         | 4 <del>overall clear, demonstrative</del>         | 4 <del>proved deep understanding</del>            | 4 <del>overall efficient</del>       |                                                                                                                                                                                                                                             |
| 5 <del>deep and comprehensible, shows physical insight</del> | 5 <del>detailed, complex, completely testable</del> | 5 <del>+ reproducible, convincing analysis</del> | 5 <del>well fitting, deviations analysed, conclusive</del> | 5 <del>considerable experimental and theoretical</del> | 5 <del>greater extent than expected</del> | 5 <del>+ complex concepts well communicated</del> |                                                   |                                      |                                                                                                                                                                                                                                             |
| 6 <del>deep and comprehensible, shows physical insight</del> | 6 <del>detailed, complex, completely testable</del> | 6 <del>+ reproducible, convincing analysis</del> | 6 <del>well fitting, deviations analysed, conclusive</del> | 6 <del>considerable experimental and theoretical</del> | 6 <del>greater extent than expected</del> | 6 <del>+ complex concepts well communicated</del> |                                                   |                                      |                                                                                                                                                                                                                                             |
| 7 <del>deep and comprehensible, shows physical insight</del> | 7 <del>detailed, complex, completely testable</del> | 7 <del>+ reproducible, convincing analysis</del> | 7 <del>well fitting, deviations analysed, conclusive</del> | 7 <del>considerable experimental and theoretical</del> | 7 <del>greater extent than expected</del> | 7 <del>+ complex concepts well communicated</del> |                                                   |                                      |                                                                                                                                                                                                                                             |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 0.5 + 2 + 2 - 0 = 6

| QUESTIONS ASKED                                                        | OPPOSITION (SPEECH)                 |                               |                                        |                         |                              | DISCUSSION WITH REPORTER          |                                        |                                      |                         | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                                                                                                                                                                                    |
|------------------------------------------------------------------------|-------------------------------------|-------------------------------|----------------------------------------|-------------------------|------------------------------|-----------------------------------|----------------------------------------|--------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                        | understanding of presentation       | relevant topics addressed     | own opinions presented                 | prioritisation          | time management              | relevant scientific topics        | own opinions presented                 | opponent's conduct of the discussion | prioritisation          |                                                                                                                                                                                                                                             |
| 0 <del>too few, mostly irrelevant</del>                                | 0 <del>almost nothing</del>         | 0 <del>no or irrelevant</del> | 0 <del>too few</del>                   | 0 <del>no</del>         | 0 <del>poor</del>            | 0 <del>almost no</del>            | 0 <del>too few</del>                   | 0 <del>poor</del>                    | 0 <del>no</del>         | 0 <del>concise and correct or no questions asked</del><br>1 <del>some incorrect, inconclusive or too long</del><br>-1 <del>deeply incorrect or show deep misconceptions</del><br>-2 <del>deeply incorrect or show deep misconceptions</del> |
| 1 <del>relevant, aimed at resolving unclear points in the report</del> | 1 <del>some main points</del>       | 1 <del>few</del>              | 1 <del>some</del>                      | 1 <del>some</del>       | 1 <del>reasonable</del>      | 1 <del>few</del>                  | 1 <del>some</del>                      | 1 <del>some aspects fine</del>       | 1 <del>some</del>       |                                                                                                                                                                                                                                             |
| 2 <del>+ short, apt and clear, well prioritized, all time used</del>   | 2 <del>main points</del>            | 2 <del>some</del>             | 2 <del>some correct</del>              | 2 <del>reasonable</del> | 2 <del>fair</del>            | 2 <del>some</del>                 | 2 <del>some correct</del>              | 2 <del>good</del>                    | 2 <del>reasonable</del> |                                                                                                                                                                                                                                             |
|                                                                        | 3 <del>all relevant points</del>    | 3 <del>many</del>             | 3 <del>many correct</del>              | 3 <del>fair</del>       | 3 <del>efficient</del>       | 3 <del>good</del>                 | 3 <del>many correct</del>              | 3 <del>some aspects efficient</del>  | 3 <del>fair</del>       |                                                                                                                                                                                                                                             |
|                                                                        | 4 <del>practically all points</del> | 4 <del>practically all</del>  | 4 <del>+ improvement suggestions</del> | 4 <del>very good</del>  | 4 <del>+ all time used</del> | 4 <del>new crucial point(s)</del> | 4 <del>+ improvement suggestions</del> | 4 <del>overall efficient</del>       | 4 <del>very good</del>  |                                                                                                                                                                                                                                             |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 2 + 2 + 2 + 1 - 0 - 0 = 9

| QUESTIONS ASKED                                                                 | REVIEW OF REPORT                  |                                 |                         | REVIEW OF OPPOSITION                  |                                 |                         | DISCUSSION ANALYSIS               |                             | MISSED POINTS POINTED OUT           | ANSWERS TO JURY QUESTIONS                                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------|-----------------------------------|---------------------------------|-------------------------|---------------------------------------|---------------------------------|-------------------------|-----------------------------------|-----------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                 | report evaluation & understanding | pros & cons                     | prioritisation          | speech evaluation                     | pros & cons                     | prioritisation          | discussion evaluation             | correct own opinions        |                                     |                                                                                                                                                                                                                                             |
| 0 <del>too few, mostly irrelevant</del>                                         | 0 <del>poor/wrong</del>           | 0 <del>irrelevant</del>         | 0 <del>no</del>         | 0 <del>poor/wrong</del>               | 0 <del>irrelevant</del>         | 0 <del>no</del>         | 0 <del>almost no</del>            | 0 <del>too few</del>        | -1 <del>irrelevant</del>            | 0 <del>concise and correct or no questions asked</del><br>1 <del>some incorrect, inconclusive or too long</del><br>-1 <del>deeply incorrect or show deep misconceptions</del><br>-2 <del>deeply incorrect or show deep misconceptions</del> |
| 1 <del>+ suitably allotted to Rep &amp; Opp, most time used</del>               | 1 <del>partial</del>              | 1 <del>partially relevant</del> | 1 <del>some</del>       | 1 <del>too short/long</del>           | 1 <del>partially relevant</del> | 1 <del>some</del>       | 1 <del>top short/long</del>       | 1 <del>some</del>           | 0 <del>none</del>                   |                                                                                                                                                                                                                                             |
| 2 <del>+ short, apt and clear, well prioritized, time managed efficiently</del> | 2 <del>good</del>                 | 2 <del>mostly adequate</del>    | 2 <del>reasonable</del> | 2 <del>informative, apt</del>         | 2 <del>mostly adequate</del>    | 2 <del>reasonable</del> | 2 <del>relevant parts</del>       | 2 <del>many</del>           | 1 <del>relevant, constructive</del> |                                                                                                                                                                                                                                             |
|                                                                                 | 3 <del>detailed, complex</del>    | 3 <del>fully adequate</del>     | 3 <del>good</del>       | 3 <del>condensed &amp; accurate</del> | 3 <del>fully adequate</del>     | 3 <del>good</del>       | 3 <del>accurate, conclusive</del> | 3 <del>fully adequate</del> |                                     |                                                                                                                                                                                                                                             |
|                                                                                 |                                   |                                 |                         |                                       |                                 |                         |                                   |                             |                                     |                                                                                                                                                                                                                                             |

NOTES:

**REPORTER** Start from 1 and add/subtract

1 + 1.5 + 1 - 0.5 = 3



**SCORESHEET**

Fight 1 B, Stage: 1, Problem No. 14.

sign *SAD q-p-e*

Napier, Susan

Rep: Pakistan *Jaz Ahmed* Opp: Croatia *Grgur*

Rev: Sweden *Sia*

| REPORT                                              |                                        |                                     |                                               |                                           |                              |                                      | DISCUSSION WITH OPPONENT                 |                                      | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS |
|-----------------------------------------------------|----------------------------------------|-------------------------------------|-----------------------------------------------|-------------------------------------------|------------------------------|--------------------------------------|------------------------------------------|--------------------------------------|-----------------------------------------------------|
| phenomenon explanation                              | theory/model                           | relevant experiments                | comparison between theory and experiment      | own contribution                          | task fulfilment              | science communication                | relevant arguments/responses             | reporter's conduct at the discussion |                                                     |
| 0 - almost no                                       | almost no                              | too few                             | no/ almost no                                 | others' data, incorrectly cited           | misunderstood                | unclear, chaotic                     | 0 - too few                              | poor                                 | 0 - concise and correct or no questions asked       |
| 1 - some                                            | some                                   | some                                | some                                          | review of sources, cited                  | partly                       | partly clear                         | 1 - some                                 | some aspects fine                    | 1 - some incorrect, inconclusive or too long        |
| 2 - fair                                            | fair                                   | fair                                | not well fitting                              | some own input                            | average                      | average                              | 2 - many                                 | good                                 | 2 - deeply incorrect or show deep misconceptions    |
| 3 - good                                            | good                                   | well performed, sufficient number   | deviations qualitatively analysed             | + some interesting results                | some aspects above average   | some parts well done                 | 3 - + data/theory convincingly supported | some aspects efficient               |                                                     |
| 4 - detailed demonstrative                          | quite detailed, correct                | + results explained errors analysed | + theory limits explained, conclusive         | considerable experimental or theoretical  | interesting solution         | overall clear, demonstrative         |                                          | overall efficient                    |                                                     |
| 5 - deep and comprehensible, shows physical insight | detailed, complex, completely testable | + reproducible, convincing analysis | well fitting, deviations analysed, conclusive | considerable experimental and theoretical | greater extent than expected | + complex concepts well communicated |                                          |                                      |                                                     |

NOTES:

**OPPONENT** Start from 1 and add/subtract

1 + 1.5 + 1.5 - 0 = 4

| QUESTIONS ASKED                                               | OPPOSITION (SPEECH)           |                           |                           |                |                 | DISCUSSION WITH REPORTER   |                           |                                      |                | ANSWERS TO JURY and REVIEWER'S QUESTIONS         |
|---------------------------------------------------------------|-------------------------------|---------------------------|---------------------------|----------------|-----------------|----------------------------|---------------------------|--------------------------------------|----------------|--------------------------------------------------|
|                                                               | understanding of presentation | relevant topics addressed | own opinions presented    | prioritisation | time management | relevant scientific topics | own opinions presented    | opponent's conduct of the discussion | prioritisation |                                                  |
| 0 - too few, mostly irrelevant                                | 0 - almost nothing            | no or irrelevant          | too few                   | no             | poor            | 0 - almost no              | too few                   | poor                                 | no             | 0 - concise and correct or no questions asked    |
| 1 - relevant, aimed at resolving unclear points in the report | 1 - some main points          | few                       | some                      | some           | reasonable      | 1 - few                    | some                      | some aspects fine                    | some           | 1 - some incorrect, inconclusive or too long     |
| 2 - + short, apt and clear, well prioritized, all time used   | 2 - main points               | some                      | some correct              | reasonable     | fair            | 2 - some                   | some correct              | good                                 | reasonable     | 2 - deeply incorrect or show deep misconceptions |
|                                                               | 3 - all relevant points       | many                      | many correct              | fair           | efficient       | 3 - good                   | many correct              | some aspects efficient               | fair           |                                                  |
|                                                               | 4 - practically all points    | practically all           | + improvement suggestions | very good      | + all time used | 4 - new crucial point(s)   | + improvement suggestions | overall efficient                    | very good      |                                                  |

NOTES:

**REVIEWER** Start from 1 and add/subtract

1 + 1.5 + 1.5 + 1.5 + 1.5 - 0.5 = 7

| QUESTIONS ASKED                                                        | REVIEW OF REPORT                  |                    |                | REVIEW OF OPPOSITION     |                    |                | DISCUSSION ANALYSIS      |                      | MISSED POINTS POINTED OUT  | ANSWERS TO JURY QUESTIONS                        |
|------------------------------------------------------------------------|-----------------------------------|--------------------|----------------|--------------------------|--------------------|----------------|--------------------------|----------------------|----------------------------|--------------------------------------------------|
|                                                                        | report evaluation & understanding | pros & cons        | prioritisation | speech evaluation        | pros & cons        | prioritisation | discussion evaluation    | correct own opinions |                            |                                                  |
| 0 - too few, mostly irrelevant                                         | 0 - poor/wrong                    | irrelevant         | no             | 0 - poor/wrong           | irrelevant         | no             | 0 - almost no            | too few              | -1 - irrelevant            | 0 - concise and correct or no questions asked    |
| 1 - relevant, meant to clarify unclear points                          | 1 - partial                       | partially relevant | some           | 1 - too short/long       | partially relevant | some           | 1 - too short/long       | some                 | 0 - none                   | 1 - some incorrect, inconclusive or too long     |
| 2 - + suitably allotted to Rep & Opp, most time used                   | 2 - good                          | mostly adequate    | reasonable     | 2 - informative, apt     | mostly adequate    | reasonable     | 2 - relevant parts       | many                 | 1 - relevant, constructive | 2 - deeply incorrect or show deep misconceptions |
| 3 - + short, apt and clear, well prioritized, time managed efficiently | 3 - detailed, complex             | fully adequate     | good           | 3 - condensed & accurate | fully adequate     | good           | 3 - accurate, conclusive | fully adequate       |                            |                                                  |

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 1.5 + 1.5 -  = 4



**SCORESHEET**

Fight 1 B, Stage: 1, Problem No. 14

sign

*[Handwritten signature]*

Paunescu, Victor

Rep: Pakistan

Opp: Croatia

Rev: Sweden

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                         | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                     |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfilment                                         | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion                    |                                                                         |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                         | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input checked="" type="checkbox"/> some                                 | 1 <input checked="" type="checkbox"/> some                        | 1 <input checked="" type="checkbox"/> some                     | 1 <input checked="" type="checkbox"/> some                               | 1 <input checked="" type="checkbox"/> review of sources, cited       | 1 <input checked="" type="checkbox"/> partly            | 1 <input checked="" type="checkbox"/> partly clear              | 1 <input checked="" type="checkbox"/> some                      | 1 <input checked="" type="checkbox"/> some aspects fine | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                         | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient       |                                                                         |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         | 4 <input type="checkbox"/> proved deep understanding            | 4 <input type="checkbox"/> overall efficient            |                                                                         |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                         |                                                                         |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 1.5 + 1.5 -  = 5

| QUESTIONS ASKED                                                                                 | OPPOSITION (SPEECH)                                    |                                             |                                                      |                                       |                                            | DISCUSSION WITH REPORTER                        |                                                      |                                                         |                                            | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                        |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------|
|                                                                                                 | understanding of presentation                          | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                            | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion                    | prioritisation                             |                                                                                 |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                           | 0 <input type="checkbox"/> almost nothing              | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor            | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                         | 0 <input type="checkbox"/> no              | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked |
| 1 <input checked="" type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input checked="" type="checkbox"/> some main points | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable      | 1 <input checked="" type="checkbox"/> few       | 1 <input checked="" type="checkbox"/> some           | 1 <input checked="" type="checkbox"/> some aspects fine | 1 <input checked="" type="checkbox"/> some | 1 <input type="checkbox"/> some incorrect, inconclusive or too long             |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used              | 2 <input type="checkbox"/> main points                 | 2 <input checked="" type="checkbox"/> some  | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair            | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                         | 2 <input type="checkbox"/> reasonable      | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions         |
|                                                                                                 | 3 <input type="checkbox"/> all relevant points         | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient       | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient       | 3 <input type="checkbox"/> fair            |                                                                                 |
|                                                                                                 | 4 <input type="checkbox"/> practically all points      | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> + all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient            | 4 <input type="checkbox"/> very good       |                                                                                 |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 1.5 + 1.5 + 1.5 -  -  = 6

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                              |                                                          |                                            | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                            | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                               |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------|--------------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|--------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding             | pros & cons                                              | prioritisation                             | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                       |                                                   |                                                                         |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong         | 0 <input type="checkbox"/> irrelevant                    | 0 <input type="checkbox"/> no              | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few         | -1 <input type="checkbox"/> irrelevant            | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input checked="" type="checkbox"/> + suitably allotted to Rep & Opp, most time used        | 1 <input checked="" type="checkbox"/> partial | 1 <input checked="" type="checkbox"/> partially relevant | 1 <input checked="" type="checkbox"/> some | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some            | 0 <input checked="" type="checkbox"/> none        | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 2 <input type="checkbox"/> good               | 2 <input type="checkbox"/> mostly adequate               | 2 <input type="checkbox"/> reasonable      | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input checked="" type="checkbox"/> many | 1 <input type="checkbox"/> relevant, constructive | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
|                                                                                               | 3 <input type="checkbox"/> detailed, complex  | 3 <input type="checkbox"/> fully adequate                | 3 <input type="checkbox"/> good            | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate  |                                                   |                                                                         |

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 1 - 0 = 5



**SCORESHEET**

Fight 1 B, Stage: 1, Problem No. 14

sign Chenghou Tu

Tu, Chenghou

Rep: Pakistan

Opp: Croatia

Rev: Sweden

| REPORT                                                                    |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 |                                                                 | DISCUSSION WITH OPPONENT                          |                                                                         | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS |
|---------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|
| phenomenon explanation                                                    | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfilment                                         | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                         |                                                     |
| 0 <input type="checkbox"/> almost no                                      | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> concise and correct or no questions asked    |                                                     |
| 1 <input type="checkbox"/> some                                           | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |                                                     |
| 2 <input type="checkbox"/> fair                                           | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |                                                     |
| 3 <input type="checkbox"/> good                                           | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                         |                                                     |
| 4 <input type="checkbox"/> detailed demonstrative                         | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         |                                                                 |                                                   |                                                                         |                                                     |
| 5 <input type="checkbox"/> deep and comprehensive, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                   |                                                                         |                                                     |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 1 + 2 - 0 = 5

| QUESTIONS ASKED                                                                    |                                                                                      | OPPOSITION (SPEECH)                               |                                             |                                                      |                                       |                                            | DISCUSSION WITH REPORTER                        |                                                      |                                                   |                                       | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------|
| 0 <input type="checkbox"/> too few, mostly irrelevant                              | 1 <input type="checkbox"/> relevant, aimed at resolving unclear points in the report | understanding of presentation                     | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                            | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion              | prioritisation                        |                                                                         |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used |                                                                                      | 0 <input type="checkbox"/> almost nothing         | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor            | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> concise and correct or no questions asked    |
|                                                                                    |                                                                                      | 1 <input type="checkbox"/> some main points       | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable      | 1 <input type="checkbox"/> few                  | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
|                                                                                    |                                                                                      | 2 <input type="checkbox"/> main points            | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair            | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
|                                                                                    |                                                                                      | 3 <input type="checkbox"/> all relevant points    | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient       | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient | 3 <input type="checkbox"/> fair       |                                                                         |
|                                                                                    |                                                                                      | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> + all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient      | 4 <input type="checkbox"/> very good  |                                                                         |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1 + 1 + 2 + 1 - 0 - 0 = 6

| QUESTIONS ASKED                                                                               |                                                                      | REVIEW OF REPORT                             |                                               |                                       | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                               |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 1 <input type="checkbox"/> relevant, meant to clarify unclear points | report evaluation & understanding            | pros & cons                                   | prioritisation                        | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                      |                                                   |                                                                         |
| 2 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                   |                                                                      | 0 <input type="checkbox"/> poor/wrong        | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant            | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently |                                                                      | 1 <input type="checkbox"/> partial           | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 0 <input type="checkbox"/> none                   | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
|                                                                                               |                                                                      | 2 <input type="checkbox"/> good              | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 1 <input type="checkbox"/> relevant, constructive | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
|                                                                                               |                                                                      | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                   |                                                                         |

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 1.8 + 1.8 -  =



**SCORESHEET**

Fight 1 B, Stage: 2, Problem No. 3

sign TOY

Opatrný, Tomas

Rep: Croatia

Opp: Sweden

Rev: Pakistan

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                   | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                                                                                                                                                                                                   |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfillment                                        | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                                                                                                                                                                                                       |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect<br>-1 <input type="checkbox"/> inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> some                                            | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      |                                                                                                                                                                                                                                                       |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   |                                                                                                                                                                                                                                                       |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                                                                                                                                                                                                       |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         | 4 <input type="checkbox"/> proved deep understanding            | 4 <input type="checkbox"/> overall efficient      |                                                                                                                                                                                                                                                       |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                   |                                                                                                                                                                                                                                                       |
| 6 <input type="checkbox"/>                                                 | 6 <input type="checkbox"/>                                        | 6 <input type="checkbox"/>                                     | 6 <input type="checkbox"/>                                               | 6 <input type="checkbox"/>                                           | 6 <input type="checkbox"/>                              | 6 <input type="checkbox"/>                                      |                                                                 |                                                   |                                                                                                                                                                                                                                                       |

NOTES: *nuclear - not so relevant comprehensive? create notes!*

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 2.2 + 2 -  =

| QUESTIONS ASKED                                                                      | OPPOSITION (SPEECH)                               |                                             |                                                      |                                       |                                          | DISCUSSION WITH REPORTER                        |                                                      |                                                   |                                       | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                      | understanding of presentation                     | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                          | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion              | prioritisation                        |                                                                                                                                                                                                                                                                                 |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                | 0 <input type="checkbox"/> almost nothing         | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor          | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-1 <input type="checkbox"/> inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input type="checkbox"/> some main points       | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable    | 1 <input type="checkbox"/> few                  | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some       |                                                                                                                                                                                                                                                                                 |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used   | 2 <input type="checkbox"/> main points            | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair          | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> reasonable |                                                                                                                                                                                                                                                                                 |
|                                                                                      | 3 <input type="checkbox"/> all relevant points    | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient     | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient | 3 <input type="checkbox"/> fair       |                                                                                                                                                                                                                                                                                 |
|                                                                                      | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient      | 4 <input type="checkbox"/> very good  |                                                                                                                                                                                                                                                                                 |
|                                                                                      |                                                   |                                             |                                                      |                                       |                                          |                                                 |                                                      |                                                   |                                       |                                                                                                                                                                                                                                                                                 |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 0.8 + 1.1 + 1.2 + 1 -  -  =

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                             |                                               |                                       | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding            | pros & cons                                   | prioritisation                        | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                      |                                                   |                                                                                                                                                                                                                                                                                 |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong        | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant            | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-1 <input type="checkbox"/> inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> relevant, meant to clarify unclear points                          | 1 <input type="checkbox"/> partial           | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 0 <input type="checkbox"/> none                   |                                                                                                                                                                                                                                                                                 |
| 2 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                   | 2 <input type="checkbox"/> good              | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 1 <input type="checkbox"/> relevant, constructive |                                                                                                                                                                                                                                                                                 |
| 3 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                   |                                                                                                                                                                                                                                                                                 |
|                                                                                               |                                              |                                               |                                       |                                                 |                                               |                                       |                                                 |                                           |                                                   |                                                                                                                                                                                                                                                                                 |
|                                                                                               |                                              |                                               |                                       |                                                 |                                               |                                       |                                                 |                                           |                                                   |                                                                                                                                                                                                                                                                                 |

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 2 - 0 = 6



**SCORESHEET**

Fight 1 B, Stage: 2, Problem No. 3

sign *[Signature]*

Merentsov, Alexander

Rep: Croatia *Moje Jaki; Matijević*

Opp: Sweden *Sofia Danielson; Davne*

Rev: Pakistan

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                   | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                                                                                                                                                                               |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfilment                                         | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                                                                                                                                                                                   |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> some                                            | 1 <input checked="" type="checkbox"/> some                        | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      |                                                                                                                                                                                                                                   |
| 2 <input type="checkbox"/> fair                                            | 2 <input checked="" type="checkbox"/> fair                        | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   |                                                                                                                                                                                                                                   |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations                                    | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                                                                                                                                                                                   |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         | 4 <input type="checkbox"/> proved deep understanding            | 4 <input type="checkbox"/> overall efficient      |                                                                                                                                                                                                                                   |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                   |                                                                                                                                                                                                                                   |
| 6 <input type="checkbox"/>                                                 |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 |                                                                 |                                                   |                                                                                                                                                                                                                                   |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 3 + 2 - 0 = 7

| QUESTIONS ASKED                                                                                 | OPPOSITION (SPEECH)                               |                                             |                                                      |                                       |                                          | DISCUSSION WITH REPORTER                        |                                                      |                                                   |                                            | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                 | understanding of presentation                     | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                          | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion              | prioritisation                             |                                                                                                                                                                                                                                   |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                           | 0 <input type="checkbox"/> almost nothing         | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor          | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> no              | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input checked="" type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input type="checkbox"/> some main points       | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable    | 1 <input type="checkbox"/> few                  | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some aspects fine      | 1 <input checked="" type="checkbox"/> some |                                                                                                                                                                                                                                   |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used              | 2 <input type="checkbox"/> main points            | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair          | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> reasonable      |                                                                                                                                                                                                                                   |
|                                                                                                 | 3 <input type="checkbox"/> all relevant points    | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient     | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient | 3 <input type="checkbox"/> fair            |                                                                                                                                                                                                                                   |
|                                                                                                 | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient      | 4 <input type="checkbox"/> very good       |                                                                                                                                                                                                                                   |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 0.5 + 1 + 0.5 + 0.5 - 0 = 5

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                              |                                                          |                                          | REVIEW OF OPPOSITION                                 |                                                          |                                            | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                                    | ANSWERS TO JURY QUESTIONS                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------|------------------------------------------|------------------------------------------------------|----------------------------------------------------------|--------------------------------------------|-------------------------------------------------|-------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding             | pros & cons                                              | prioritisation                           | speech evaluation                                    | pros & cons                                              | prioritisation                             | discussion evaluation                           | correct own opinions                      |                                                              |                                                                                                                                                                                                                                   |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong         | 0 <input type="checkbox"/> irrelevant                    | 0 <input checked="" type="checkbox"/> no | 0 <input type="checkbox"/> poor/wrong                | 0 <input type="checkbox"/> irrelevant                    | 0 <input type="checkbox"/> no              | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant                       | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                   | 1 <input checked="" type="checkbox"/> partial | 1 <input checked="" type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some          | 1 <input checked="" type="checkbox"/> too short/long | 1 <input checked="" type="checkbox"/> partially relevant | 1 <input checked="" type="checkbox"/> some | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 0 <input type="checkbox"/> none                              |                                                                                                                                                                                                                                   |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 2 <input type="checkbox"/> good               | 2 <input type="checkbox"/> mostly adequate               | 2 <input type="checkbox"/> reasonable    | 2 <input type="checkbox"/> informative, apt          | 2 <input type="checkbox"/> mostly adequate               | 2 <input type="checkbox"/> reasonable      | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 1 <input checked="" type="checkbox"/> relevant, constructive |                                                                                                                                                                                                                                   |
|                                                                                               | 3 <input type="checkbox"/> detailed, complex  | 3 <input type="checkbox"/> fully adequate                | 3 <input type="checkbox"/> good          | 3 <input type="checkbox"/> condensed & accurate      | 3 <input type="checkbox"/> fully adequate                | 3 <input type="checkbox"/> good            | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                              |                                                                                                                                                                                                                                   |
|                                                                                               |                                               |                                                          |                                          |                                                      |                                                          |                                            |                                                 |                                           |                                                              |                                                                                                                                                                                                                                   |

NOTES:

**REPORTER** Start from 1 and add/subtract  
 1 + 1.5 + 1 - 0 = 4



**SCORESHEET**  
 Fight 1 B, Stage: 2, Problem No. 3  
 Rep: Croatia Noa Jelie Opp: Sweden

sign Sofia  
 Rev: Pakistan

Napier, Susan

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                         | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                                                                                                                                                                                                               |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfilment                                         | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion                    |                                                                                                                                                                                                                                                                   |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                         | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/><br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input checked="" type="checkbox"/> some                                 | 1 <input checked="" type="checkbox"/> some                        | 1 <input checked="" type="checkbox"/> some                     | 1 <input checked="" type="checkbox"/> some                               | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input checked="" type="checkbox"/> partly            | 1 <input checked="" type="checkbox"/> partly clear              | 1 <input checked="" type="checkbox"/> some                      | 1 <input checked="" type="checkbox"/> some aspects fine |                                                                                                                                                                                                                                                                   |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input checked="" type="checkbox"/> average           | 2 <input checked="" type="checkbox"/> average                   | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                         |                                                                                                                                                                                                                                                                   |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient       |                                                                                                                                                                                                                                                                   |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         | 4 <input type="checkbox"/> proved deep understanding            | 4 <input type="checkbox"/> overall efficient            |                                                                                                                                                                                                                                                                   |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                         |                                                                                                                                                                                                                                                                   |
| 6 <input type="checkbox"/>                                                 | 6 <input type="checkbox"/>                                        | 6 <input type="checkbox"/>                                     | 6 <input type="checkbox"/>                                               | 6 <input type="checkbox"/>                                           | 6 <input type="checkbox"/>                              | 6 <input type="checkbox"/>                                      |                                                                 |                                                         |                                                                                                                                                                                                                                                                   |
| 7 <input type="checkbox"/>                                                 | 7 <input type="checkbox"/>                                        | 7 <input type="checkbox"/>                                     | 7 <input type="checkbox"/>                                               | 7 <input type="checkbox"/>                                           | 7 <input type="checkbox"/>                              | 7 <input type="checkbox"/>                                      |                                                                 |                                                         |                                                                                                                                                                                                                                                                   |

NOTES:

**OPPONENT** Start from 1 and add/subtract  
 1 + 1.5 + 2 + 1.5 - 0 = 6

| QUESTIONS ASKED                                                                                 | OPPOSITION (SPEECH)                                    |                                             |                                                      |                                                  |                                                  | DISCUSSION WITH REPORTER                        |                                                      |                                                         |                                                  | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------|------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                 | understanding of presentation                          | relevant topics addressed                   | own opinions presented                               | prioritisation                                   | time management                                  | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion                    | prioritisation                                   |                                                                                                                                                                                                                                                                   |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                           | 0 <input type="checkbox"/> almost nothing              | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no                    | 0 <input type="checkbox"/> poor                  | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                         | 0 <input type="checkbox"/> no                    | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/><br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input checked="" type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input checked="" type="checkbox"/> some main points | 1 <input type="checkbox"/> few              | 1 <input checked="" type="checkbox"/> some           | 1 <input checked="" type="checkbox"/> some       | 1 <input checked="" type="checkbox"/> reasonable | 1 <input checked="" type="checkbox"/> few       | 1 <input checked="" type="checkbox"/> some           | 1 <input checked="" type="checkbox"/> some aspects fine | 1 <input checked="" type="checkbox"/> some       |                                                                                                                                                                                                                                                                   |
| 2 <input checked="" type="checkbox"/> short, apt and clear, well prioritized, all time used     | 2 <input checked="" type="checkbox"/> main points      | 2 <input type="checkbox"/> some             | 2 <input checked="" type="checkbox"/> some correct   | 2 <input checked="" type="checkbox"/> reasonable | 2 <input checked="" type="checkbox"/> fair       | 2 <input checked="" type="checkbox"/> some      | 2 <input checked="" type="checkbox"/> some correct   | 2 <input checked="" type="checkbox"/> good              | 2 <input checked="" type="checkbox"/> reasonable |                                                                                                                                                                                                                                                                   |
|                                                                                                 | 3 <input type="checkbox"/> all relevant points         | 3 <input type="checkbox"/> many             | 3 <input checked="" type="checkbox"/> many correct   | 3 <input type="checkbox"/> fair                  | 3 <input type="checkbox"/> efficient             | 3 <input type="checkbox"/> good                 | 3 <input checked="" type="checkbox"/> many correct   | 3 <input type="checkbox"/> some aspects efficient       | 3 <input type="checkbox"/> fair                  |                                                                                                                                                                                                                                                                   |
|                                                                                                 | 4 <input type="checkbox"/> practically all points      | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good             | 4 <input type="checkbox"/> + all time used       | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient            | 4 <input type="checkbox"/> very good             |                                                                                                                                                                                                                                                                   |
|                                                                                                 |                                                        |                                             |                                                      |                                                  |                                                  |                                                 |                                                      |                                                         |                                                  |                                                                                                                                                                                                                                                                   |
|                                                                                                 |                                                        |                                             |                                                      |                                                  |                                                  |                                                 |                                                      |                                                         |                                                  |                                                                                                                                                                                                                                                                   |

NOTES:

**REVIEWER** Start from 1 and add/subtract  
 1 + 1.5 + 2 + 1 + 0.5 + 0.5 - 0 = 7

| QUESTIONS ASKED                                                                        | REVIEW OF REPORT                              |                                                          |                                                  | REVIEW OF OPPOSITION                                   |                                                          |                                                  | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                                    | ANSWERS TO JURY QUESTIONS                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------|-------------------------------------------------|-------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                        | report evaluation & understanding             | pros & cons                                              | prioritisation                                   | speech evaluation                                      | pros & cons                                              | prioritisation                                   | discussion evaluation                           | correct own opinions                      |                                                              |                                                                                                                                                                                                                                                                   |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                  | 0 <input type="checkbox"/> poor/wrong         | 0 <input type="checkbox"/> irrelevant                    | 0 <input type="checkbox"/> no                    | 0 <input type="checkbox"/> poor/wrong                  | 0 <input type="checkbox"/> irrelevant                    | 0 <input type="checkbox"/> no                    | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant                       | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/><br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input checked="" type="checkbox"/> relevant, meant to clarify unclear points        | 1 <input checked="" type="checkbox"/> partial | 1 <input checked="" type="checkbox"/> partially relevant | 1 <input checked="" type="checkbox"/> some       | 1 <input checked="" type="checkbox"/> too short/long   | 1 <input checked="" type="checkbox"/> partially relevant | 1 <input checked="" type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 0 <input checked="" type="checkbox"/> none                   |                                                                                                                                                                                                                                                                   |
| 2 <input checked="" type="checkbox"/> + suitably allotted to Rep & Opp, most time used | 2 <input checked="" type="checkbox"/> good    | 2 <input checked="" type="checkbox"/> mostly adequate    | 2 <input checked="" type="checkbox"/> reasonable | 2 <input checked="" type="checkbox"/> informative, apt | 2 <input checked="" type="checkbox"/> mostly adequate    | 2 <input checked="" type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 1 <input checked="" type="checkbox"/> relevant, constructive |                                                                                                                                                                                                                                                                   |
|                                                                                        | 3 <input type="checkbox"/> detailed, complex  | 3 <input type="checkbox"/> fully adequate                | 3 <input type="checkbox"/> good                  | 3 <input type="checkbox"/> condensed & accurate        | 3 <input type="checkbox"/> fully adequate                | 3 <input type="checkbox"/> good                  | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                              |                                                                                                                                                                                                                                                                   |
|                                                                                        |                                               |                                                          |                                                  |                                                        |                                                          |                                                  |                                                 |                                           |                                                              |                                                                                                                                                                                                                                                                   |
|                                                                                        |                                               |                                                          |                                                  |                                                        |                                                          |                                                  |                                                 |                                           |                                                              |                                                                                                                                                                                                                                                                   |
|                                                                                        |                                               |                                                          |                                                  |                                                        |                                                          |                                                  |                                                 |                                           |                                                              |                                                                                                                                                                                                                                                                   |

NOTES:

Please, suitably adjust your grades taking into regard the [1,10] range.



**REPORTER**

Start from 1 and add/subtract

1 + 2 + 2 -  = 5



**SCORESHEET**

Fight 1 B, Stage: 2, Problem No. 3

sign

Paunescu, Victor

Rep: Croatia

Opp: Sweden

Rev: Pakistan

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                   |                                                         | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                     |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfillment                                        | science communication                                           | relevant arguments/responses               | reporter's conduct at the discussion                    |                                                                         |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few         | 0 <input type="checkbox"/> poor                         | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> some                                            | 1 <input checked="" type="checkbox"/> some                        | 1 <input checked="" type="checkbox"/> some                     | 1 <input checked="" type="checkbox"/> some                               | 1 <input checked="" type="checkbox"/> review of sources, cited       | 1 <input checked="" type="checkbox"/> partly average    | 1 <input checked="" type="checkbox"/> partly clear              | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> some aspects fine | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input checked="" type="checkbox"/> many | 2 <input type="checkbox"/> good                         | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 3 <input type="checkbox"/>                                                 | 3 <input type="checkbox"/>                                        | 3 <input type="checkbox"/>                                     | 3 <input type="checkbox"/>                                               | 3 <input type="checkbox"/>                                           | 3 <input type="checkbox"/>                              | 3 <input type="checkbox"/>                                      | 3 <input checked="" type="checkbox"/>      | 3 <input type="checkbox"/>                              |                                                                         |
| 4 <input type="checkbox"/> good                                            | 4 <input type="checkbox"/> good                                   | 4 <input type="checkbox"/> well performed, sufficient number   | 4 <input type="checkbox"/> deviations qualitatively analysed             | 4 <input type="checkbox"/> + some interesting results                | 4 <input type="checkbox"/> some aspects above average   | 4 <input type="checkbox"/> some parts well done                 | 4 <input checked="" type="checkbox"/>      | 4 <input type="checkbox"/>                              |                                                                         |
| 5 <input type="checkbox"/> detailed demonstrative                          | 5 <input type="checkbox"/> quite detailed, correct                | 5 <input type="checkbox"/> + results explained errors analysed | 5 <input type="checkbox"/> + theory limits explained, conclusive         | 5 <input type="checkbox"/> considerable experimental or theoretical  | 5 <input type="checkbox"/> interesting solution         | 5 <input type="checkbox"/> overall clear, demonstrative         | 5 <input checked="" type="checkbox"/>      | 5 <input type="checkbox"/>                              |                                                                         |
| 6 <input type="checkbox"/>                                                 | 6 <input type="checkbox"/>                                        | 6 <input type="checkbox"/>                                     | 6 <input type="checkbox"/>                                               | 6 <input type="checkbox"/>                                           | 6 <input type="checkbox"/>                              | 6 <input type="checkbox"/>                                      | 6 <input type="checkbox"/>                 | 6 <input type="checkbox"/>                              |                                                                         |
| 7 <input type="checkbox"/> deep and comprehensible, shows physical insight | 7 <input type="checkbox"/> detailed, complex, completely testable | 7 <input type="checkbox"/> + reproducible, convincing analysis | 7 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 7 <input type="checkbox"/> considerable experimental and theoretical | 7 <input type="checkbox"/> greater extent than expected | 7 <input type="checkbox"/> + complex concepts well communicated | 7 <input type="checkbox"/>                 | 7 <input type="checkbox"/>                              |                                                                         |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1.5 + 1.5 + 2 -  = 6

| QUESTIONS ASKED                                                                      | OPPOSITION (SPEECH)                                    |                                             |                                                      |                                       |                                            | DISCUSSION WITH REPORTER                        |                                                      |                                                         |                                            | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                |
|--------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------|
|                                                                                      | understanding of presentation                          | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                            | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion                    | prioritisation                             |                                                                         |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                | 0 <input type="checkbox"/> almost nothing              | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor            | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                         | 0 <input type="checkbox"/> no              | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input checked="" type="checkbox"/> some main points | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable      | 1 <input type="checkbox"/> few                  | 1 <input checked="" type="checkbox"/> some           | 1 <input checked="" type="checkbox"/> some aspects fine | 1 <input checked="" type="checkbox"/> some | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used   | 2 <input checked="" type="checkbox"/> main points      | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input checked="" type="checkbox"/> fair | 2 <input checked="" type="checkbox"/> some      | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                         | 2 <input type="checkbox"/> reasonable      | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
|                                                                                      | 3 <input type="checkbox"/> all relevant points         | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient       | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient       | 3 <input type="checkbox"/> fair            |                                                                         |
|                                                                                      | 4 <input type="checkbox"/> practically all points      | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> + all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient            | 4 <input type="checkbox"/> very good       |                                                                         |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1.5 + 1.5 + 1 + 1 ±  -  = 6

| QUESTIONS ASKED                                                                                          | REVIEW OF REPORT                              |                                                        |                                            | REVIEW OF OPPOSITION                                 |                                                          |                                            | DISCUSSION ANALYSIS                                  |                                            | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                                       |
|----------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------------|--------------------------------------------|------------------------------------------------------|----------------------------------------------------------|--------------------------------------------|------------------------------------------------------|--------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------|
|                                                                                                          | report evaluation & understanding             | pros & cons                                            | prioritisation                             | speech evaluation                                    | pros & cons                                              | prioritisation                             | discussion evaluation                                | correct own opinions                       |                                                   |                                                                                 |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                                    | 0 <input type="checkbox"/> poor/wrong         | 0 <input type="checkbox"/> irrelevant                  | 0 <input type="checkbox"/> no              | 0 <input type="checkbox"/> poor/wrong                | 0 <input type="checkbox"/> irrelevant                    | 0 <input type="checkbox"/> no              | 0 <input type="checkbox"/> almost no                 | 0 <input type="checkbox"/> too few         | -1 <input type="checkbox"/> irrelevant            | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked |
| 1 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                              | 1 <input checked="" type="checkbox"/> partial | 1 <input checked="" type="checkbox"/> partial relevant | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> too short/long | 1 <input checked="" type="checkbox"/> partially relevant | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> too short/long | 1 <input checked="" type="checkbox"/> some | 0 <input checked="" type="checkbox"/> none        | -1 <input type="checkbox"/> some incorrect, inconclusive or too long            |
| 2 <input checked="" type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 2 <input checked="" type="checkbox"/> good    | 2 <input type="checkbox"/> mostly adequate             | 2 <input type="checkbox"/> reasonable      | 2 <input type="checkbox"/> informative, apt          | 2 <input type="checkbox"/> mostly adequate               | 2 <input type="checkbox"/> reasonable      | 2 <input type="checkbox"/> relevant parts            | 2 <input type="checkbox"/> many            | 1 <input type="checkbox"/> relevant, constructive | -2 <input type="checkbox"/> deeply incorrect or show deep misconceptions        |
|                                                                                                          | 3 <input type="checkbox"/> detailed, complex  | 3 <input type="checkbox"/> fully adequate              | 3 <input type="checkbox"/> good            | 3 <input type="checkbox"/> condensed & accurate      | 3 <input type="checkbox"/> fully adequate                | 3 <input type="checkbox"/> good            | 3 <input type="checkbox"/> accurate, conclusive      | 3 <input type="checkbox"/> fully adequate  |                                                   |                                                                                 |

NOTES:

**REPORTER**

Start from 1 and add/subtract

$$1 + 4 - 0 = 5$$



**SCORESHEET**

Fight 1 B, Stage: 2, Problem No. \_\_\_\_\_

signature *Chenghou Tu*

Tu, Chenghou

Rep: Croatia

Opp: Sweden

Rev: Pakistan

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 |                                                                 | DISCUSSION WITH OPPONENT                          |                                                                         | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfilment                                         | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                         |                                                     |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> concise and correct or no questions asked    |                                                     |
| 1 <input type="checkbox"/> some                                            | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |                                                     |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |                                                     |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                         |                                                     |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         |                                                                 |                                                   |                                                                         |                                                     |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                   |                                                                         |                                                     |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

$$1 + 1 + 2 + 2 - 0 = 6$$

| QUESTIONS ASKED            |                                                           | OPPOSITION (SPEECH)           |                           |                            |                  |                            | DISCUSSION WITH REPORTER   |                            |                                      |                            | ANSWERS TO JURY and REVIEWER'S QUESTIONS |                            |                                              |
|----------------------------|-----------------------------------------------------------|-------------------------------|---------------------------|----------------------------|------------------|----------------------------|----------------------------|----------------------------|--------------------------------------|----------------------------|------------------------------------------|----------------------------|----------------------------------------------|
|                            |                                                           | understanding of presentation | relevant topics addressed | own opinions presented     | prioritisation   | time management            | relevant scientific topics | own opinions presented     | opponent's conduct of the discussion | prioritisation             |                                          |                            |                                              |
| 0 <input type="checkbox"/> | too few, mostly irrelevant                                | 0 <input type="checkbox"/>    | almost nothing            | 0 <input type="checkbox"/> | no or irrelevant | 0 <input type="checkbox"/> | too few                    | 0 <input type="checkbox"/> | no                                   | 0 <input type="checkbox"/> | poor                                     | 0 <input type="checkbox"/> | concise and correct or no questions asked    |
| 1 <input type="checkbox"/> | relevant, aimed at resolving unclear points in the report | 1 <input type="checkbox"/>    | some main points          | 1 <input type="checkbox"/> | few              | 1 <input type="checkbox"/> | some                       | 1 <input type="checkbox"/> | some                                 | 1 <input type="checkbox"/> | reasonable                               | 1 <input type="checkbox"/> | some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> | + short, apt and clear, well prioritized, all time used   | 2 <input type="checkbox"/>    | main points               | 2 <input type="checkbox"/> | some             | 2 <input type="checkbox"/> | some correct               | 2 <input type="checkbox"/> | reasonable                           | 2 <input type="checkbox"/> | fair                                     | 2 <input type="checkbox"/> | deeply incorrect or show deep misconceptions |
|                            |                                                           | 3 <input type="checkbox"/>    | all relevant points       | 3 <input type="checkbox"/> | many             | 3 <input type="checkbox"/> | many correct               | 3 <input type="checkbox"/> | fair                                 | 3 <input type="checkbox"/> | efficient                                |                            |                                              |
|                            |                                                           | 4 <input type="checkbox"/>    | practically all points    | 4 <input type="checkbox"/> | practically all  | 4 <input type="checkbox"/> | + improvement suggestions  | 4 <input type="checkbox"/> | very good                            | 4 <input type="checkbox"/> | + all time used                          |                            |                                              |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

$$1 + 1 + 1.5 + 1.5 + 1 - 0 = 6$$

| QUESTIONS ASKED            |                                                                    | REVIEW OF REPORT                  |                   |                            | REVIEW OF OPPOSITION |                            |                | DISCUSSION ANALYSIS        |                      | MISSED POINTS POINTED OUT  | ANSWERS TO JURY QUESTIONS |                             |            |                            |                                              |
|----------------------------|--------------------------------------------------------------------|-----------------------------------|-------------------|----------------------------|----------------------|----------------------------|----------------|----------------------------|----------------------|----------------------------|---------------------------|-----------------------------|------------|----------------------------|----------------------------------------------|
|                            |                                                                    | report evaluation & understanding | pros & cons       | prioritisation             | speech evaluation    | pros & cons                | prioritisation | discussion evaluation      | correct own opinions |                            |                           |                             |            |                            |                                              |
| 0 <input type="checkbox"/> | too few, mostly irrelevant                                         | 0 <input type="checkbox"/>        | poor/wrong        | 0 <input type="checkbox"/> | irrelevant           | 0 <input type="checkbox"/> | no             | 0 <input type="checkbox"/> | almost no            | 0 <input type="checkbox"/> | too few                   | -1 <input type="checkbox"/> | irrelevant | 0 <input type="checkbox"/> | concise and correct or no questions asked    |
| 1 <input type="checkbox"/> | relevant, meant to clarify unclear points                          | 1 <input type="checkbox"/>        | partial           | 1 <input type="checkbox"/> | partially relevant   | 1 <input type="checkbox"/> | some           | 1 <input type="checkbox"/> | too short/long       | 1 <input type="checkbox"/> | some                      | 0 <input type="checkbox"/>  | none       | 1 <input type="checkbox"/> | some incorrect, inconclusive or too long     |
|                            | + suitably allotted to Rep & Opp, most time used                   | 2 <input type="checkbox"/>        | good              | 2 <input type="checkbox"/> | mostly adequate      | 2 <input type="checkbox"/> | reasonable     | 2 <input type="checkbox"/> | informative, apt     | 2 <input type="checkbox"/> | mostly adequate           | 2 <input type="checkbox"/>  | reasonable | 2 <input type="checkbox"/> | deeply incorrect or show deep misconceptions |
|                            | + short, apt and clear, well prioritized, time managed efficiently | 3 <input type="checkbox"/>        | detailed, complex | 3 <input type="checkbox"/> | fully adequate       | 3 <input type="checkbox"/> | good           | 3 <input type="checkbox"/> | condensed & accurate | 3 <input type="checkbox"/> | fully adequate            | 3 <input type="checkbox"/>  | good       | 3 <input type="checkbox"/> |                                              |

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 2 + 2 -  =



**SCORESHEET**

Fight 1 B, Stage: 3, Problem No. \_\_\_\_\_

sign \_\_\_\_\_

Opatrný, Tomas

Rep: Sweden

Opp: Pakistan

Rev: Croatia

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                   | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                                                                                                                                                                    |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfillment                                        | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                                                                                                                                                                        |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no / almost no                                | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> some                                            | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      |                                                                                                                                                                                                                        |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   |                                                                                                                                                                                                                        |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                                                                                                                                                                        |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         | 4 <input type="checkbox"/> proved deep understanding            | 4 <input type="checkbox"/> overall efficient      |                                                                                                                                                                                                                        |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                   |                                                                                                                                                                                                                        |
| 6 <input type="checkbox"/>                                                 | 6 <input type="checkbox"/>                                        | 6 <input type="checkbox"/>                                     | 6 <input type="checkbox"/>                                               | 6 <input type="checkbox"/>                                           | 6 <input type="checkbox"/>                              | 6 <input type="checkbox"/>                                      |                                                                 |                                                   |                                                                                                                                                                                                                        |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 0.5 + 1 + 1 -  =

| QUESTIONS ASKED                                                                      | OPPOSITION (SPEECH)                               |                                             |                                                      |                                       |                                            | DISCUSSION WITH REPORTER                        |                                                      |                                                   |                                       | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                                                                                                                                                               |
|--------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                      | understanding of presentation                     | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                            | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion              | prioritisation                        |                                                                                                                                                                                                                        |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                | 0 <input type="checkbox"/> almost nothing         | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor            | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input type="checkbox"/> some main points       | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable      | 1 <input type="checkbox"/> few                  | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some       |                                                                                                                                                                                                                        |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used   | 2 <input type="checkbox"/> main points            | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair            | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> reasonable |                                                                                                                                                                                                                        |
|                                                                                      | 3 <input type="checkbox"/> all relevant points    | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient       | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient | 3 <input type="checkbox"/> fair       |                                                                                                                                                                                                                        |
|                                                                                      | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> + all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient      | 4 <input type="checkbox"/> very good  |                                                                                                                                                                                                                        |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 2.8 + 1.5 + 1.5 + 1 -  -  =

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                             |                                               |                                       | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding            | pros & cons                                   | prioritisation                        | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                      |                                                   |                                                                                                                                                                                                                        |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong        | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant            | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                   | 1 <input type="checkbox"/> partial           | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 0 <input type="checkbox"/> none                   |                                                                                                                                                                                                                        |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 2 <input type="checkbox"/> good              | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 1 <input type="checkbox"/> relevant, constructive |                                                                                                                                                                                                                        |
|                                                                                               | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                   |                                                                                                                                                                                                                        |
|                                                                                               |                                              |                                               |                                       |                                                 |                                               |                                       |                                                 |                                           |                                                   |                                                                                                                                                                                                                        |

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 3 + 1.5 - 0.5 = 5



**SCORESHEET**

Fight 1 B, Stage: 3, Problem No. 1

sign *A*

Merentsov, Alexander

Rep: Sweden *Ale Loman* Opp: Pakistan

Rev: Croatia

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                   | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                     |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfillment                                        | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                         |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> some                                            | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                         |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         |                                                                 |                                                   |                                                                         |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated | 5 <input type="checkbox"/> proved deep understanding            | 5 <input type="checkbox"/> overall efficient      |                                                                         |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 1.5 + 1.5 - 0 = 5

| QUESTIONS ASKED                                                                                 | OPPOSITION (SPEECH)                               |                                             |                                                      |                                       |                                            | DISCUSSION WITH REPORTER                        |                                                      |                                                   |                                       | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                |
|-------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------|
|                                                                                                 | understanding of presentation                     | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                            | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion              | prioritisation                        |                                                                         |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                           | 0 <input type="checkbox"/> almost nothing         | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor            | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input checked="" type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input type="checkbox"/> some main points       | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable      | 1 <input type="checkbox"/> few                  | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used              | 2 <input type="checkbox"/> main points            | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair            | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
|                                                                                                 | 3 <input type="checkbox"/> all relevant points    | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient       | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient | 3 <input type="checkbox"/> fair       |                                                                         |
|                                                                                                 | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> + all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient      | 4 <input type="checkbox"/> very good  |                                                                         |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 0.5 + 2.5 + 1.5 + 1 ± -0.5 - 0 = 5

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                             |                                               |                                       | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                               |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding            | pros & cons                                   | prioritisation                        | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                      |                                                   |                                                                         |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong        | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | 0 <input type="checkbox"/> irrelevant             | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input checked="" type="checkbox"/> relevant, meant to clarify unclear points               | 1 <input type="checkbox"/> partial           | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 1 <input type="checkbox"/> none                   | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                   | 2 <input type="checkbox"/> good              | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 2 <input type="checkbox"/> relevant, constructive | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 3 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                   |                                                                         |

NOTES: *Rejected 9*

(Rejected 9)

**REPORTER** Start from 1 and add/subtract

1 + 2.5 + 0.5 - 0.5 = 4



**SCORESHEET**

Fight 1 B, Stage: 3, Problem No. 1

sign *SK Spier*

Napier, Susan

Rep: Sweden *Ale.*

Opp: Pakistan

Rev: Croatia *Q*

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                   | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                     |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfilment                                         | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                         |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> some                                            | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                         |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         |                                                                 |                                                   |                                                                         |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                   |                                                                         |

NOTES: *part out of time.*

**OPPONENT** Start from 1 and add/subtract

1 + 1 + 1.5 + 1.5 - 0 = 5

| QUESTIONS ASKED                                                                      | OPPOSITION (SPEECH)                               |                                             |                                                      |                                       |                                            | DISCUSSION WITH REPORTER                        |                                                      |                                                   |                                       | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                |
|--------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------|
|                                                                                      | understanding of presentation                     | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                            | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion              | prioritisation                        |                                                                         |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                | 0 <input type="checkbox"/> almost nothing         | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor            | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input type="checkbox"/> some main points       | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable      | 1 <input type="checkbox"/> few                  | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used   | 2 <input type="checkbox"/> main points            | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair            | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
|                                                                                      | 3 <input type="checkbox"/> all relevant points    | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient       | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient | 3 <input type="checkbox"/> fair       |                                                                         |
|                                                                                      | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> + all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient      | 4 <input type="checkbox"/> very good  |                                                                         |

NOTES:

**REVIEWER** Start from 1 and add/subtract

1 + 1.5 + 1.5 + 1.5 + 1.5 - 0 - 0 = 7

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                             |                                               |                                       | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                               |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding            | pros & cons                                   | prioritisation                        | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                      |                                                   |                                                                         |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong        | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant            | 0 <input type="checkbox"/> concise and correct or no questions asked    |
| 1 <input type="checkbox"/> relevant, meant to clarify unclear points                          | 1 <input type="checkbox"/> partial           | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 0 <input type="checkbox"/> none                   | 1 <input type="checkbox"/> some incorrect, inconclusive or too long     |
| 2 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                   | 2 <input type="checkbox"/> good              | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 1 <input type="checkbox"/> relevant, constructive | 2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 2 <input type="checkbox"/> accurate, conclusive | 2 <input type="checkbox"/> fully adequate |                                                   |                                                                         |

NOTES:

*not done.*

**REPORTER**

Start from 1 and add/subtract

1 + 4 + 2 - 4 = 5



**SCORESHEET**

Fight 1 B, Stage: 3, Problem No. 1

sign

*[Handwritten signature]*

Paunescu, Victor

Rep: Sweden

Opp: Pakistan

Rev: Croatia

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                         | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfilment                                         | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion                    |                                                                                                                                                                                                                                                                                                            |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                         | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> some                                            | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input checked="" type="checkbox"/> some aspects fine |                                                                                                                                                                                                                                                                                                            |
| 2 <input checked="" type="checkbox"/> fair                                 | 2 <input checked="" type="checkbox"/> fair                        | 2 <input checked="" type="checkbox"/> fair                     | 2 <input checked="" type="checkbox"/> not well fitting                   | 2 <input checked="" type="checkbox"/> some own input                 | 2 <input checked="" type="checkbox"/> average           | 2 <input checked="" type="checkbox"/> average                   | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                         |                                                                                                                                                                                                                                                                                                            |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient       |                                                                                                                                                                                                                                                                                                            |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         | 4 <input type="checkbox"/> proved deep understanding            | 4 <input type="checkbox"/> overall efficient            |                                                                                                                                                                                                                                                                                                            |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                         |                                                                                                                                                                                                                                                                                                            |
| 6 <input type="checkbox"/>                                                 | 6 <input type="checkbox"/>                                        | 6 <input type="checkbox"/>                                     | 6 <input type="checkbox"/>                                               | 6 <input type="checkbox"/>                                           | 6 <input type="checkbox"/>                              | 6 <input type="checkbox"/>                                      |                                                                 |                                                         |                                                                                                                                                                                                                                                                                                            |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 1 + 2 - 1 = 6

| QUESTIONS ASKED                                                                                 | OPPOSITION (SPEECH)                                    |                                             |                                                      |                                            |                                                  | DISCUSSION WITH REPORTER                        |                                                      |                                                         |                                                  | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------|------------------------------------------------------|--------------------------------------------|--------------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                 | understanding of presentation                          | relevant topics addressed                   | own opinions presented                               | prioritisation                             | time management                                  | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion                    | prioritisation                                   |                                                                                                                                                                                                                                                                                                            |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                           | 0 <input type="checkbox"/> almost nothing              | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no              | 0 <input type="checkbox"/> poor                  | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                         | 0 <input type="checkbox"/> no                    | 0 <input checked="" type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input checked="" type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input checked="" type="checkbox"/> some main points | 1 <input checked="" type="checkbox"/> few   | 1 <input checked="" type="checkbox"/> some           | 1 <input checked="" type="checkbox"/> some | 1 <input checked="" type="checkbox"/> reasonable | 1 <input checked="" type="checkbox"/> few       | 1 <input checked="" type="checkbox"/> some           | 1 <input checked="" type="checkbox"/> some aspects fine | 1 <input checked="" type="checkbox"/> some       |                                                                                                                                                                                                                                                                                                            |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used              | 2 <input type="checkbox"/> main points                 | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable      | 2 <input type="checkbox"/> fair                  | 2 <input checked="" type="checkbox"/> some      | 2 <input checked="" type="checkbox"/> some correct   | 2 <input type="checkbox"/> good                         | 2 <input checked="" type="checkbox"/> reasonable |                                                                                                                                                                                                                                                                                                            |
|                                                                                                 | 3 <input type="checkbox"/> all relevant points         | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair            | 3 <input type="checkbox"/> efficient             | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient       | 3 <input type="checkbox"/> fair                  |                                                                                                                                                                                                                                                                                                            |
|                                                                                                 | 4 <input type="checkbox"/> practically all points      | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good       | 4 <input type="checkbox"/> + all time used       | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient            | 4 <input type="checkbox"/> very good             |                                                                                                                                                                                                                                                                                                            |
|                                                                                                 |                                                        |                                             |                                                      |                                            |                                                  |                                                 |                                                      |                                                         |                                                  |                                                                                                                                                                                                                                                                                                            |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 2 + 2 + 1 + 1 - 1 - 1 = 4

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                             |                                               |                                       | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                         | ANSWERS TO JURY QUESTIONS                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding            | pros & cons                                   | prioritisation                        | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                      |                                                   |                                                                                                                                                                                                                                                                                      |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong        | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant            | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input checked="" type="checkbox"/> no questions asked<br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input checked="" type="checkbox"/> + suitably allotted to Rep & Opp, most time used        | 1 <input type="checkbox"/> partial           | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           | 0 <input checked="" type="checkbox"/> none        |                                                                                                                                                                                                                                                                                      |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 2 <input type="checkbox"/> good              | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           | 1 <input type="checkbox"/> relevant, constructive |                                                                                                                                                                                                                                                                                      |
|                                                                                               | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                   |                                                                                                                                                                                                                                                                                      |
|                                                                                               |                                              |                                               |                                       |                                                 |                                               |                                       |                                                 |                                           |                                                   |                                                                                                                                                                                                                                                                                      |
|                                                                                               |                                              |                                               |                                       |                                                 |                                               |                                       |                                                 |                                           |                                                   |                                                                                                                                                                                                                                                                                      |

NOTES:

**REPORTER**

Start from 1 and add/subtract

1 + 2 + 1 - 0 = 5



**SCORESHEET**

Fight 1 B, Stage: 3, Problem No. 1

sign *Chenghou Tu*

Tu, Chenghou

Rep: Sweden

Opp: Pakistan

Rev: Croatia

| REPORT                                                                     |                                                                   |                                                                |                                                                          |                                                                      |                                                         |                                                                 | DISCUSSION WITH OPPONENT                                        |                                                   | ANSWERS TO JURY, OPPONENT, and REVIEWER'S QUESTIONS                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| phenomenon explanation                                                     | theory/model                                                      | relevant experiments                                           | comparison between theory and experiment                                 | own contribution                                                     | task fulfillment                                        | science communication                                           | relevant arguments/responses                                    | reporter's conduct at the discussion              |                                                                                                                                                                                                                                                                                                 |
| 0 <input type="checkbox"/> almost no                                       | 0 <input type="checkbox"/> almost no                              | 0 <input type="checkbox"/> too few                             | 0 <input type="checkbox"/> no/ almost no                                 | 0 <input type="checkbox"/> others' data, incorrectly cited           | 0 <input type="checkbox"/> misunderstood                | 0 <input type="checkbox"/> unclear, chaotic                     | 0 <input type="checkbox"/> too few                              | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> some                                            | 1 <input type="checkbox"/> some                                   | 1 <input type="checkbox"/> some                                | 1 <input type="checkbox"/> some                                          | 1 <input type="checkbox"/> review of sources, cited                  | 1 <input type="checkbox"/> partly                       | 1 <input type="checkbox"/> partly clear                         | 1 <input type="checkbox"/> some                                 | 1 <input type="checkbox"/> some aspects fine      |                                                                                                                                                                                                                                                                                                 |
| 2 <input type="checkbox"/> fair                                            | 2 <input type="checkbox"/> fair                                   | 2 <input type="checkbox"/> fair                                | 2 <input type="checkbox"/> not well fitting                              | 2 <input type="checkbox"/> some own input                            | 2 <input type="checkbox"/> average                      | 2 <input type="checkbox"/> average                              | 2 <input type="checkbox"/> many                                 | 2 <input type="checkbox"/> good                   |                                                                                                                                                                                                                                                                                                 |
| 3 <input type="checkbox"/> good                                            | 3 <input type="checkbox"/> good                                   | 3 <input type="checkbox"/> well performed, sufficient number   | 3 <input type="checkbox"/> deviations qualitatively analysed             | 3 <input type="checkbox"/> + some interesting results                | 3 <input type="checkbox"/> some aspects above average   | 3 <input type="checkbox"/> some parts well done                 | 3 <input type="checkbox"/> + data/theory convincingly supported | 3 <input type="checkbox"/> some aspects efficient |                                                                                                                                                                                                                                                                                                 |
| 4 <input type="checkbox"/> detailed demonstrative                          | 4 <input type="checkbox"/> quite detailed, correct                | 4 <input type="checkbox"/> + results explained errors analysed | 4 <input type="checkbox"/> + theory limits explained, conclusive         | 4 <input type="checkbox"/> considerable experimental or theoretical  | 4 <input type="checkbox"/> interesting solution         | 4 <input type="checkbox"/> overall clear, demonstrative         | 4 <input type="checkbox"/> proved deep understanding            | 4 <input type="checkbox"/> overall efficient      |                                                                                                                                                                                                                                                                                                 |
| 5 <input type="checkbox"/> deep and comprehensible, shows physical insight | 5 <input type="checkbox"/> detailed, complex, completely testable | 5 <input type="checkbox"/> + reproducible, convincing analysis | 5 <input type="checkbox"/> well fitting, deviations analysed, conclusive | 5 <input type="checkbox"/> considerable experimental and theoretical | 5 <input type="checkbox"/> greater extent than expected | 5 <input type="checkbox"/> + complex concepts well communicated |                                                                 |                                                   |                                                                                                                                                                                                                                                                                                 |
| 6 <input type="checkbox"/>                                                 | 6 <input type="checkbox"/>                                        | 6 <input type="checkbox"/>                                     | 6 <input type="checkbox"/>                                               | 6 <input type="checkbox"/>                                           | 6 <input type="checkbox"/>                              | 6 <input type="checkbox"/>                                      |                                                                 |                                                   |                                                                                                                                                                                                                                                                                                 |

NOTES:

**OPPONENT**

Start from 1 and add/subtract

1 + 1 + 2 + 2 - 0 = 6

| QUESTIONS ASKED                                                                      | OPPOSITION (SPEECH)                               |                                             |                                                      |                                       |                                            | DISCUSSION WITH REPORTER                        |                                                      |                                                   |                                       | ANSWERS TO JURY and REVIEWER'S QUESTIONS                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------|------------------------------------------------------|---------------------------------------|--------------------------------------------|-------------------------------------------------|------------------------------------------------------|---------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                      | understanding of presentation                     | relevant topics addressed                   | own opinions presented                               | prioritisation                        | time management                            | relevant scientific topics                      | own opinions presented                               | opponent's conduct of the discussion              | prioritisation                        |                                                                                                                                                                                                                                                                                                 |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                | 0 <input type="checkbox"/> almost nothing         | 0 <input type="checkbox"/> no or irrelevant | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor            | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few                   | 0 <input type="checkbox"/> poor                   | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> relevant, aimed at resolving unclear points in the report | 1 <input type="checkbox"/> some main points       | 1 <input type="checkbox"/> few              | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> reasonable      | 1 <input type="checkbox"/> few                  | 1 <input type="checkbox"/> some                      | 1 <input type="checkbox"/> some aspects fine      | 1 <input type="checkbox"/> some       |                                                                                                                                                                                                                                                                                                 |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, all time used   | 2 <input type="checkbox"/> main points            | 2 <input type="checkbox"/> some             | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> fair            | 2 <input type="checkbox"/> some                 | 2 <input type="checkbox"/> some correct              | 2 <input type="checkbox"/> good                   | 2 <input type="checkbox"/> reasonable |                                                                                                                                                                                                                                                                                                 |
|                                                                                      | 3 <input type="checkbox"/> all relevant points    | 3 <input type="checkbox"/> many             | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> fair       | 3 <input type="checkbox"/> efficient       | 3 <input type="checkbox"/> good                 | 3 <input type="checkbox"/> many correct              | 3 <input type="checkbox"/> some aspects efficient | 3 <input type="checkbox"/> fair       |                                                                                                                                                                                                                                                                                                 |
|                                                                                      | 4 <input type="checkbox"/> practically all points | 4 <input type="checkbox"/> practically all  | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> very good  | 4 <input type="checkbox"/> + all time used | 4 <input type="checkbox"/> new crucial point(s) | 4 <input type="checkbox"/> + improvement suggestions | 4 <input type="checkbox"/> overall efficient      | 4 <input type="checkbox"/> very good  |                                                                                                                                                                                                                                                                                                 |

NOTES:

**REVIEWER**

Start from 1 and add/subtract

1 + 1 + 2 + 2 + 1 - 0 = 7

| QUESTIONS ASKED                                                                               | REVIEW OF REPORT                             |                                               |                                       | REVIEW OF OPPOSITION                            |                                               |                                       | DISCUSSION ANALYSIS                             |                                           | MISSED POINTS POINTED OUT                                                                                                                                     | ANSWERS TO JURY QUESTIONS                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                               | report evaluation & understanding            | pros & cons                                   | prioritisation                        | speech evaluation                               | pros & cons                                   | prioritisation                        | discussion evaluation                           | correct own opinions                      |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                 |
| 0 <input type="checkbox"/> too few, mostly irrelevant                                         | 0 <input type="checkbox"/> poor/wrong        | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> poor/wrong           | 0 <input type="checkbox"/> irrelevant         | 0 <input type="checkbox"/> no         | 0 <input type="checkbox"/> almost no            | 0 <input type="checkbox"/> too few        | -1 <input type="checkbox"/> irrelevant<br>0 <input type="checkbox"/> none<br>1 <input type="checkbox"/> relevant, constructive<br>-2 <input type="checkbox"/> | 0 <input type="checkbox"/> concise and correct or no questions asked<br>1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-1 <input type="checkbox"/> some incorrect, inconclusive or too long<br>-2 <input type="checkbox"/> deeply incorrect or show deep misconceptions |
| 1 <input type="checkbox"/> + suitably allotted to Rep & Opp, most time used                   | 1 <input type="checkbox"/> partial           | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> partially relevant | 1 <input type="checkbox"/> some       | 1 <input type="checkbox"/> too short/long       | 1 <input type="checkbox"/> some           |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                 |
| 2 <input type="checkbox"/> + short, apt and clear, well prioritized, time managed efficiently | 2 <input type="checkbox"/> good              | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> informative, apt     | 2 <input type="checkbox"/> mostly adequate    | 2 <input type="checkbox"/> reasonable | 2 <input type="checkbox"/> relevant parts       | 2 <input type="checkbox"/> many           |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                 |
|                                                                                               | 3 <input type="checkbox"/> detailed, complex | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> condensed & accurate | 3 <input type="checkbox"/> fully adequate     | 3 <input type="checkbox"/> good       | 3 <input type="checkbox"/> accurate, conclusive | 3 <input type="checkbox"/> fully adequate |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                 |
|                                                                                               |                                              |                                               |                                       |                                                 |                                               |                                       |                                                 |                                           |                                                                                                                                                               |                                                                                                                                                                                                                                                                                                 |

NOTES: