

## PRACE Summer of HPC Awards Quantitative Evaluation Process 2018

The PRACE Summer of HPC programme is a WP4 training and outreach initiative, which gives students the opportunity to spend a summer abroad working at a top HPC research centre. Participants complete a project based on PRACE technical or industrial work (where possible). Participants in the Summer of HPC will compete for two awards, the Best HPC Ambassador Award and the Best Performance Award. The Best HPC Ambassador award is presented to the participant who embodies the outreach spirit of the programme. The Best Performance Award is presented to the participant who did outstanding project work during the Summer of HPC Programme.

At the Summer of HPC general teleconference on the 1 December 2017 and at the PRACE-5IP all-hands meeting in Poznan 17 January 2018 the WP4 members participating in SoHPC defined the changes of the former Best Visualization Award to be replaced with Best Performance Award. This document outlines the change of the qualitative process while having Best HPC Ambassador award unchanged.

### Best HPC Ambassador Award

For each Best HPC Ambassador Award applicant, the information is collected by the SoHPC Coordination Team and made available to the Evaluation Panel. It includes:

- A **biography**, including name, age, area and level of study.
- A list of all their **blog posts** and the project final video/presentation.
- A self-report or **statement**, stating why they feel they should win, listing any external media publications and any different or unique contributions they have made.
- Their ranking in the **student vote**, where the students vote for their fellow applicants.
- The number of **cumulative unique visitors** on their posts.

The evaluation criteria and their weights are listed below. Assessments are from one to five, with one representing an excellent assessment and five representing a poor assessment. For binned criterion five bins are used. A High weighted criterion has a weight of one, a Medium of two, and a low of three.

Criteria Description and Weight		
<b>Blog</b>	Average assessment by evaluators on the quality of applicant's blog posts and project final video/presentation.	<b>High</b>
<b>Statement</b>	Average assessment by evaluators on the commitment of the applicant to the HPC Ambassador role.	<b>High</b>
<b>Reach</b>	A binned large-small ranking of the sum of the unique visitors for the applicants blog posts.	<b>High</b>
<b>Vote</b>	Ranking of the student's vote.	<b>High</b>

## Best Performance Award

This award will be granted to the Summer of HPC participant, who throughout the two months of their placement have exhibited a committed effort to their project, working hard to fulfill the requirements of the project with good results, and possibly working beyond the initial goals of the project for further and possibly future collaborative work to be carried out.

For each *Best Performance Award* applicant, the information below is collected by the SoHPC Coordination Team and made available to the Evaluation Panel.

- A **video** of student presentations.
- Their **final report** for the project.
- A **technical review** written by the SoHPC coordination team, which evaluates the technical challenges and achievements of the project.
- A **Project Mentor assessment** (filled in by mentor)
  - Mentor will fill in a questionnaire to score various aspect of the participant's hard work, dedication and commitment to the project.
  - Mentor participant description and potential for future work and collaboration with mentor.
  - Site coordinators will arrange for a short report (a few paragraphs) on each participant to be prepared by the mentor and collaborators of the participant, describing their work throughout the project
- SoHPC Coordinating Team Report – A questionnaire filled-in to score various aspects of the participant's time with SoHPC (different to those of the Mentor) on their general work and attitude of the program.
- A self-report or **statement**, stating why they feel they should win.

Evaluation panel will use these reports for identifying winner of this award. The evaluation criteria and their weights are listed below.

Criteria Description and Weight		
<b>Performance</b>	Quality of final project results - Average assessment by evaluators on the quality of the final report, final project video and blogs in the context of its accessibility to the target audience and its technical achievements.	<b>High</b>
<b>Technical review</b>	Assessment by the Coordinating Team on the technical challenges and achievements of the project.	<b>Medium</b>
<b>Mentor assessment</b>	Assessment by Project Mentor and Evaluators of the applicant's performance.	<b>Medium</b>
<b>Outreach</b>	Average assessment by evaluators on the usefulness of the outreach material (video, final report written in a popular scientific style).	<b>Low</b>