PRACE
Summer of HPC

PRACE

THE PARTNERSHIP FOR ADVANCED COMPUTING IN EUROPE

SUMMER OF HPC

Since 2013, top students studying at academic institutions in Europe or PRACE partner countries have had the opportunity to participate in summer internships at a European High Performance Computing (HPC) centre. The 'Summer of High Performance Computing (SoHPC)' programme promotes young emerging talents in HPC, increases their awareness of HPC and supports them towards becoming HPC users.

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▶ PRACE - Partnership for Advanced Computing in Europe - wants to inspire and encourage the next generation of software engineers, system administrators, and general users of HPC systems, in order to keep Europe at the forefront of supercomputing. To further this goal, each summer PRACE runs the prestigious Summer of HPC (SoHPC) internship for late-stage undergraduate or early-stage postgraduate university students. PRACE seeks to recruit students who are passionate about HPC and who would like to spend a summer placement at one of Europe's HPC centres in order to improve their skills in different fields.

At the beginning of the programme participants come together to undertake for joint training at a PRACE HPC centre. The training includes an introduction to HPC, visualisation training, and team building exercises. Participants then travel to their host sites and complete projects under supervision of a dedicated mentor. They produce visualisations or videos of their results, which can be used in PRACE outreach and dissemination activities. Participants are also encouraged to engage in outreach activities of their own, writing blog posts on the SoHPC blog and other social media channels.

At the end of the programme participants present their results and submit a short report. All participants are eligible to receive one of two awards: Best Visualisation or Best Project, and the PRACE HPC Ambassador Award, which is awarded to the participant who best embodies the outreach spirit of the programme.

▶ Student Selection Process

Applications are welcome from all disciplines. Up to 20 top applicants from across Europe are selected to participate. Students can express interest in up to three projects. Applicants are selected through a thorough and highly-competitive screening process. The selection panel reviews each application twice based on rigorous criteria. Those accepted are assigned by the panel to each project.

Find Out More

PRACE Summer of HPC Website & Blog
summerofhpc.prace-ri.eu

PRACE Summer of HPC Facebook Page
www.facebook.com/SummerOfHPC

PRACE Summer of HPC Twitter Page
www.twitter.com/SummerOfHPC

PRACE SoHPC 2015 Training Week Video
http://youtu.be/ZNba2X1yL3s

PRACE SoHPC 2019 Project Presentations
https://youtu.be/z6GJBtGnmro

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