ISC STUDENT & EARLY CAREER PROGRAMS

ISC High Performance

SHAPING TOMORROW

ISC High Performance

Exploring a Future in High Performance Computing

isc-hpc.com

ISC High Performance is an international high performance computing conference that connects senior practitioners and technology providers in the field with commercial users, junior researchers, and students. Over 3,700 HPC enthusiasts and 160 exhibitors attend the conference and exhibition each year.

Our 2020 slogan is Shaping Tomorrow and in pursuance of that, we provide a platform for over 300 university graduates and students to participate in the conference through a number of programs: the Student Cluster Competition, the Student Volunteer Program, the PhD Forum, the Travel Grant Program, and the HPC Career Day.

ISC STUDENT CLUSTER COMPETITION

The Student Cluster Competition (SCC), which recognizes the world's leading young talent in cluster computing, is an integral part of the ISC High Performance conference. In collaboration with the HPCAI Advisory Council, we have been organizing the contest since 2011, offering 14 teams from all over the world the opportunity to compete with one another on the field of battle. By doing so, it gives science, technology, engineering and mathematics (STEM) students an opportunity to develop critical skills they will use long after completing their studies.

Over three days, the SCC teams will demonstrate incredible capabilities from building a state-of-the-art cluster of their own design, to obtaining the best performance across a series of benchmarks and applications during the live competition.

To learn about the SCC application process, please visit hpcadvisorycouncil.com/events/student-cluster-competition/

ISC STUDENT VOLUNTEER PROGRAM

Some of our students return year after year to the conference to volunteer – that's how popular the Student Volunteer Program is! This multicultural and gender equal program accepts about 25 students yearly to help run the conference.

The real benefit of the program is that you'll have the opportunity to attend various sessions and meet face-to-face the personalities and organizations behind the fascinating systems and applications. You'll also be meeting peers from other international institutions. The connections you make at the conference will go a long way as you develop your career. We know that because we have witnessed our volunteers line up employment opportunities at the conference.

ISC High Performance is held in a very comfortable, safe environment, and we provide housing for all out-of-town students.

The application deadline for the Student Volunteer Program is March 15, 2020. For more information, visit isc-hpc.com/student-volunteers.html

ISC PHD FORUM

The ISC PhD Forum provides an opportunity for students in an early phase of their PhD track to present research results in a setting that sparks scientific exchange and lively discussions. Topics span the HPC field, including areas such as performance analysis, code optimization, development tools, applications, software engineering, and hardware architectures, with a crosscut on reproducible and open-science research.

The PhD Forum consists of two parts:

- A set of short back-to-back lightning talks, which provide swift, focused presentations of your research objectives and early results.
- The Poster Presentation session, which serves as a starting point for engaging discussions with more in-depth information.

Presenters will receive full fee waiver for the day of presentation. Travel support is available for accepted submissions.

The application deadline for submissions is Wednesday, February 19, 2020. To learn more, visit isc-hpc.com/phd-forum-2020.html
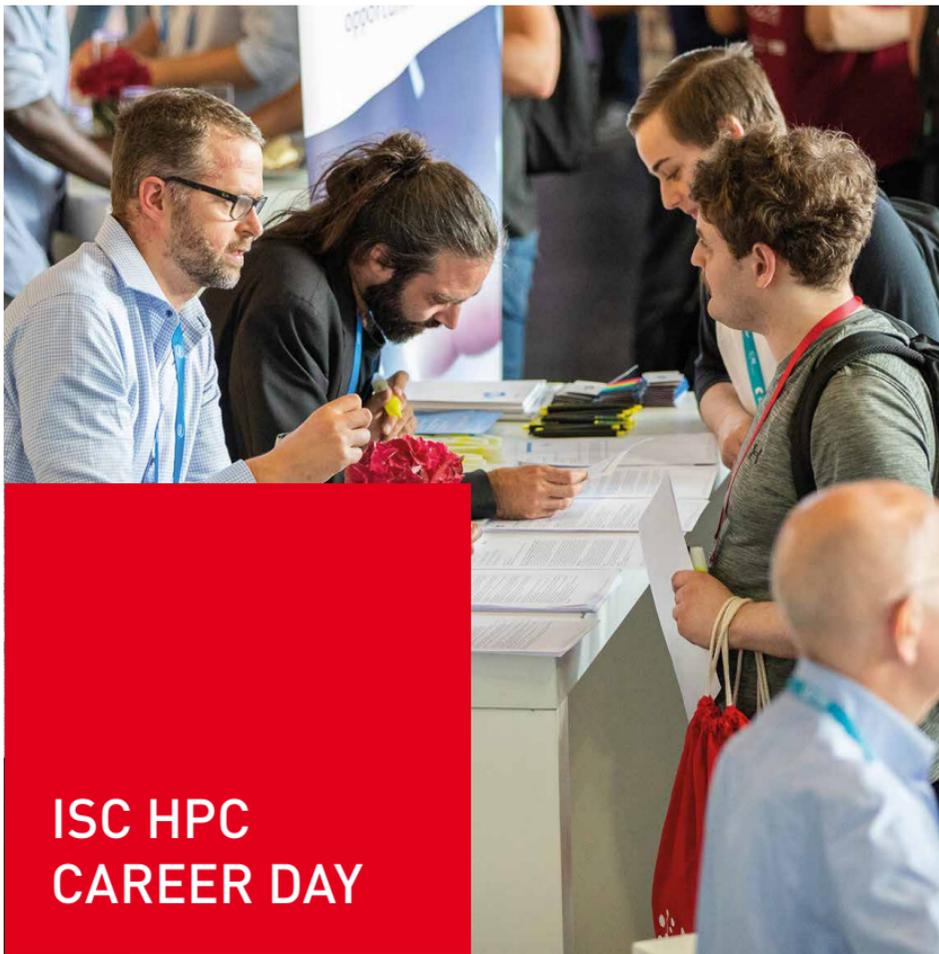
ISC TRAVEL GRANT PROGRAM

Each year the Travel Grant Program enables two individuals, a university student and/or a young researcher, to attend the ISC High Performance conference. Applicants without funding opportunities highly benefit from this program, as it enables them to meet all the players in the HPC industry. Since its inception in 2018, the program has enabled four individuals from Nepal, Botswana and Colombia, to bring HPC skills and knowledge back to their home countries. Some have even embarked on the ambitious mission of setting up local HPC centers, collaborating with centers in countries with more advanced HPC capabilities.

Candidates from Europe and northern Africa are eligible for 1500 euros each, and for candidates from other continents, the maximum grant is 2500 euros per person. The conference organizers will provide the selected candidate free registration for the entire conference program.

The application deadline for the Travel Grant Program is February 15, 2020. For more details, visit isc-hpc.com/isc-travel-grant.html

ISC HPC
CAREER DAY

Businesses and research organizations are finding it harder to recruit. In the meantime, HPC has become the technological foundation in important new application areas such as machine learning, AI, and the Internet of Things. As a result, the demand for qualified workers in this field is becoming critical in Europe.

As a leading HPC conference, we have made it our mission to enable 200 students, early career researchers and engineers, and mid-career professionals to attend the ISC HPC Career Day free of admission charges. They receive a systematic introduction to HPC technology and its application, starting with a tutorial on HPC, machine learning and data analytics in the morning and ending with a career fair and dinner reception in the evening.

Signup for the 2020 HPC Career Day will open March 24 and the event will take place on Wednesday, June 24. For more information, go to isc-hpc.com/hpc-career-day.html

SEE YOU AT ISC 2020!

JUNE 21 – 25, 2020
FRANKFURT, GERMANY

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