

MHPC

Master in High Performance Computing



Advanced research in many different fields, such as applied mathematics, theoretical physics but also biotechnology and molecular biology, requires access to large scientific computing resources, as well as specialists formed in the field of HPC.

The Master in HPC, aware of the severe shortage of skilled personnel able to bridge the existing gap between the dynamic environments in IT and research, aims to create a group of experts who have the training and the skills needed to fill this gap.

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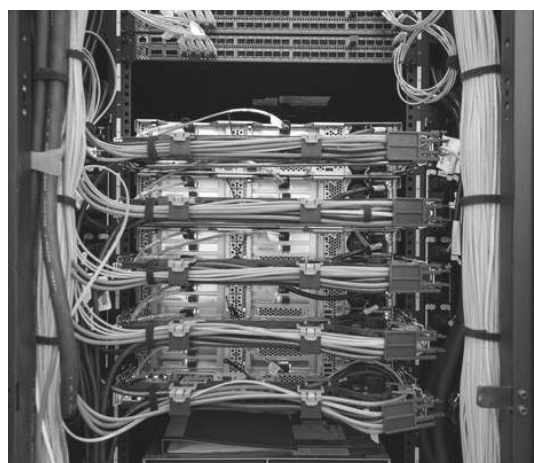
The Master in High Performance Computing, ready for its fifth edition, is an innovative specialization program that prepares students for exciting careers in the fast-growing field of high performance computing (HPC), both in academia and industry.

MHPC is set in the stimulating research environment of its co-organizing institution: **SISSA** (International School for Advanced Studies) and **ICTP** (International Center for Theoretical Physics), in the city of Trieste.

During the **12-months-program**, students follow courses by international **lecturers from academia and from the industrial world**, who teach them the latest applications of HPC technologies and innovations.

MHPC provides the access to **instant career opportunities on an international scale**: all MHPC ex students are now working in their field of expertise, and the 30% of them have a permanent position.

High level of job placement is one of MHPC strengths.





The strong connection with industry and highly reputed academic environment provide to an MHPC graduated a unique chances to find the right place in the high technology market or academic scene.

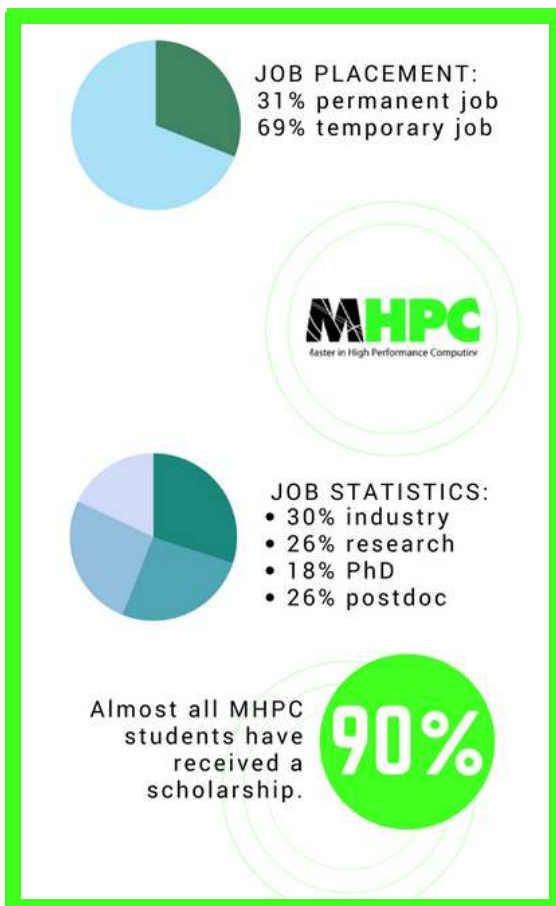
Thank to this connection, almost all MHPC students have received a scholarship to support them during their studies. Scholarships - sponsored by companies and institutions - will be available also for the next edition of the master, which will start on September 17, 2018.

The deadline to apply is **July 24, 2018 (11:59 AM)**.

TRIESTE

Thanks to its geographical location and its cultural and political factors, **Friuli Venezia Giulia** holds a leading position in the field of international mobility. Scientists and researchers from all over the world have found in this region **infrastructures and institutions for excellence training**, especially in science and technology. Another determining factor is the commitment, regional but not only, for the enhancement of the Sistema Scientifico e dell'Innovazione of Friuli Venezia Giulia (SiS FVG) whose objective is to strengthen the relationship between the various actors involved, **promoting the development and the dissemination of scientific and technological knowledge**.

Trieste, which has recently been chosen to host ESOF 2020 (EuroScience Open Forum), is home to **30 research and training institutions** and has the highest percentage of European researchers in proportion to the population (5% of the population). About half of the researchers are foreign, underlining the **importance of the internationalization of human resources, cultural exchange and collaboration in the development of technical and scientific culture**.



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