



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.

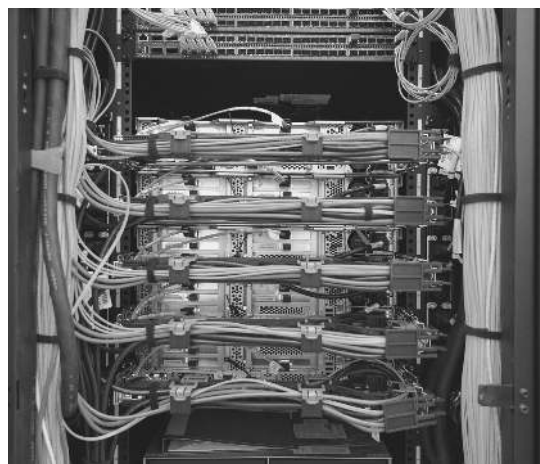
MHPC

The **Master in High Performance Computing**, ready for its **7th 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.

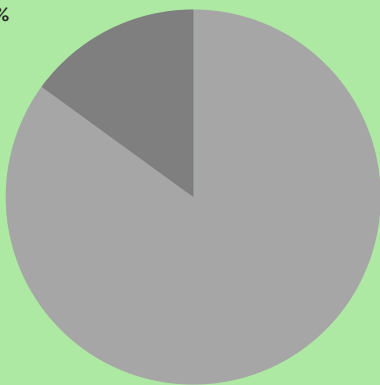
MHPC is set in the stimulating research environment of its co-organizing institution: **SISSA** (International School for Advanced Studies) and **ICTP** (International Center for Theoretical Physics), in the city of Trieste.

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**. High level of job placement is one of MHPC strengths.



No scholarship
15%



Scholarship
85%

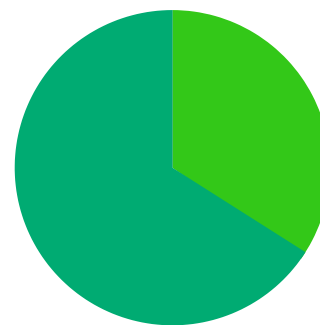
The **strong connection with industry and highly reputed academic environment** provide to an MHPC graduated a **unique chances** to find the right place in the high technology market or academic scene. Thank to this connection, almost all MHPC students have received a scholarship to support them during their studies.

The deadline for standard applications is **10 July 2020 (11:59 a.m.)**.

STUDENTS

During the first five editions of this master, **66** people have been educated, **94% of them are working in their area of expertise** and one third of them have already a permanent job, both in academia (66%) and in the industrial world (34%).

The course is kept in **English** and lessons are organized in full-day programs which include active lectures during the morning and practice hands-on tutorials during the afternoon.



Research
66%

Industry
34%



TRIESTE

Scientists and researchers from all over the world have found in Friuli Venezia Giulia **infrastructures and institutions for excellence training**, especially in science and technology.

Trieste 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 foreigners, underlining **the importance of the internationalization of human resources, cultural exchange and collaboration in the development of technical and scientific culture**.

MHPC

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