60 ICTP 1964–2024

International Symposium

The Future of Scientific Computing: A Global Perspective

An ICTP 60th Anniversary Event

Description:

Leading scientists, policymakers, and industry experts from around the world will gather to discuss the opportunities offered by scientific computing in tackling key scientific challenges, with a global perspective. The symposium will explore how artificial intelligence, high-performance computing and recent advancements in quantum computing will impact the scientific discovery process across scientific fields, including climate science, molecular chemistry, and materials science. Reflecting ICTP's core mission, the symposium will emphasize a global and inclusive approach that can address the needs of scientific communities working in the world's less developed regions. The symposium is part of ICTP's 60th anniversary celebrations taking place throughout 2024, culminating in a high-level event in November 2024. Outcomes of the symposium will be presented and discussed during a panel session at this November event.

27 May 2024

Trieste, Italy

Deadline:
20 May 2024

DIRECTORS:

Jean BARBIER, ICTP, Italy
Marcello DALMONTE, ICTP, Italy
Serafina DI GIOIA, ICTP, Italy
Sandro SCANDOLO, ICTP, Italy

LOCAL ORGANISER:

Sandro SCANDOLO, ICTP, Italy

THE SYMPOSIUM WILL FOCUS ON THE FOLLOWING THEMES:

- The scientific cases
- The AI revolution
- Quantum computing
- Technologies for scientific computing (e.g. HPC, GPUs, Neuromorphic)
- HPC research infrastructures
- Global initiatives for scientific computing
- Hands-on Training

FURTHER INFORMATION:

E-mail: smr4028@ictp.it

Web: https://indico.ictp.it/event/10667/

Female scientists are encouraged to apply.

REGISTRATION:

There is no registration fee.