

Joint ICTP-IAEA Workshop on Electrostatic Accelerator Technologies, Basic Instruments and Analytical Techniques



21 - 29 October 2019
Trieste, Italy

Further information:
<http://indico.ictp.it/event/8728/>
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Ion accelerators have a wide variety of interdisciplinary applications and are regarded as key tools for economic development. This school is for early career researchers working in multidisciplinary fields and accelerator engineers interested in expanding their accelerator operation and use skills.

Directors:

S. CHARISOPOULOS, IAEA
N. SKUKAN, IAEA

Description:

Researchers interested in using accelerators, and especially ion-beam analytical techniques, will find this school helpful in developing an in-depth understanding of the basic elements of accelerator operation principles, the associated instruments, and methods employed in applications. Young engineers operating such accelerators can train in the necessary nuclear physics processes. Participants will have the opportunity to present their work and interests in a poster session.

Topics:

- Introduction to electrostatic accelerators and their operation
- Ion sources and vacuum systems at electrostatic accelerators
- Ion-beam optics, beam focusing, and monitoring devices
- Introduction to low energy nuclear reactions
- Ion-beam analytical techniques
- Selected ion-beam based applications
- Modern detector technologies
- Basic software for data analysis and accelerator control
- Safe use of ion accelerators

Local Organizers:

C. TUNIZ, ICTP

How to apply:

Online application:
<http://indico.ictp.it/event/8728/>

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Deadline:

30 June 2019

