



Training Workshop on Hands-on Operation and Maintenance of Electrostatic Accelerators

Hosted by the

Government of Croatia

through the

Ruđer Bošković Institute

Zagreb, Croatia

9–13 December 2019

Ref. No.: EVT1701710

Information Sheet

Introduction

Accelerator-based technologies are associated with a broad range of applications that have a societal and technological impact and can contribute to the economic development of Member States. The utilization of accelerators enhances innovation in a variety of fields, such as health, materials research, cultural heritage, environment, energy and natural resources. In this context, accelerator applications are one of the thematic areas where the International Atomic Energy Agency (IAEA) supports its Member States in strengthening their capabilities to adopt and benefit from the usage of accelerators.

A number of IAEA Member States are operating small and medium sized accelerator facilities with a wide spectrum of technical expertise. Many of these facilities are facing difficulties in training new personnel and improving the knowledge and skills of more senior accelerator technicians, engineers and scientists. The need for training on accelerator technologies is evident and the IAEA is responding to such needs.

The Nuclear Science and Instrumentation Laboratory and the Physics Section of the IAEA support

Member States with accelerator facilities through coordinated research projects and the technical cooperation programme, which, for example, provide expertise, assist in setting up and maintaining the facilities offer instrumentation support and organize trainings.

Objectives

The objective of the event is to deepen the participants' knowledge and skills in specific accelerator-related topics, including vacuum technologies; the most common ion sources at electrostatic accelerators, i.e. negative sputtering sources, duoplasmatron sources and radio frequency-driven sources; and ion beam optics and beam tuning.

Target Audience

The event is intended for young accelerator operators, engineers and scientists working at accelerator facilities, with the aim of widening their knowledge and skills related to electrostatic accelerators through lectures and hands-on training on specific issues.

Working Language(s)

English.

Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **20 September 2019**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by the above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Please note that the IAEA is in a transition phase to manage the entire registration process for all regular programme events electronically through the new InTouch+ (<https://intouchplus.iaea.org>) facility, which is the improved and expanded successor to the InTouch platform that has been used in recent

years for the IAEA's technical cooperation events. Through InTouch+, prospective participants will be able to apply for events and submit all required documents online. National authorities will be able to use InTouch+ to review and approve these applications. Interested parties that would like to use this new facility should write to: InTouchPlus.Contact-Point@iaea.org.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event.

The application for financial support should be made using the **Grant Application Form (Form C)** which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **20 September 2019**.

Visas

Participants who require a visa to enter Croatia should submit the necessary application as soon as possible to the nearest diplomatic or consular representative of Croatia.

IAEA Contacts

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretaries and correspondence on other matters related to the event to the Administrative Secretary.