



IAEA

International Atomic Energy Agency

Atoms for Peace and Development

Annual Training Workshop on Synchrotron Techniques and Applications

Hosted by the

Government of Jordan

through the

Synchrotron-light for Experimental Science and Applications in the Middle East (SESAME)

Allan, Jordan

15 - 19 November 2026

Ref. No.: EVT2504063

Information Sheet

Introduction

SESAME (Synchrotron-light for Experimental Science and Applications in the Middle East) is a third-generation synchrotron light source. It is the first facility of this kind in the Middle East and neighbouring countries and represents the region's first major international centre of scientific excellence. SESAME's mission includes fostering scientific and technological progress in the region by enabling world-class research in fields ranging from medicine and biology to materials science, physics, chemistry, environmental science, health care, and archaeology.

To achieve this mission, developing a mature and active user community is essential. This requires specialized training programmes with a strong emphasis on hands-on experience, enabling future users to independently design and conduct experiments at the facility.

Objectives

The aim is to provide participants who have little or no prior experience with synchrotron radiation techniques the opportunity to gain practical exposure to beamline operation and experimental workflows. Through hands-on activities carried out at different SESAME beamlines, participants will learn how experiments are planned, set up, executed and analysed within a synchrotron facility. In addition to the experimental component, the training aims to equip attendees with the skills required to prepare competitive scientific proposals. This includes understanding the criteria used by synchrotron facilities to evaluate proposals, learning how to formulate clear scientific objectives, selecting appropriate beamlines and techniques, and presenting a convincing methodology. The ability to write successful proposals is essential for securing beamtime and, ultimately, for developing an independent research programme at SESAME or other international facilities.

Target Audience

The audience will typically be younger scientists, preferably from developing countries or from areas with limited or no local access to synchrotrons. The participants should have a degree in natural sciences; e.g., physics, chemistry, biology, and related fields (BSc, MSc or PhD). The scientists are required to submit an abstract about their research interests and the possible experiments they would like to run in the future using the techniques that form part of this training.

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 or invited organization, participants are requested to submit their application via the InTouch+ platform (<https://intouchplus.iaea.org>) to the competent national authority (Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or organization for onward transmission to the IAEA by **16 August 2026**, following the registration procedure in InTouch+:

1. Access the InTouch+ platform (<https://intouchplus.iaea.org>):
 - Persons with an existing NUCLEUS account can sign in to the platform with their username and password;
 - Persons without an existing NUCLEUS account can register [here](#).
2. Once signed in, prospective participants can use the InTouch+ platform to:
 - Complete or update their personal details under ‘Complete Profile’ and upload the relevant supporting documents;
 - Search for the relevant event under the ‘My Eligible Events’ tab;
 - Select the Member State or invited organization they want to represent from the drop-down menu entitled ‘Designating Authority’ (if an invited organization is not listed, please contact InTouchPlus.Contact-Point@iaea.org);

- If applicable, indicate whether a paper is being submitted and complete the relevant information;
- If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
- Based on the data input, the InTouch+ platform will automatically generate the Participation Form (Form A) and/or the Grant Application Form (Form C);
- Submit their application.

Once submitted through the InTouch+ platform, the application, together with the auto-generated form(s), will be transmitted automatically to the required authority for approval. If approved, the application, together with the applicable form(s), will automatically be sent to the IAEA through the online platform.

NOTE: The application for financial support should be made, together with the submission of the application, by **16 August 2026**.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

In addition, applicants are requested to send a **short CV with a brief justification statement** why this training will be beneficial for their organization and their professional development via email to the Administrative Secretary.

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

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. The IAEA may also use the contact details of Applicants to inform them of the IAEA's scientific and technical publications, or the latest employment opportunities and current open vacancies at the IAEA. These secondary purposes are consistent with the IAEA's mandate. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

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, together with the submission of the application, by **16 August 2026**.

Visas

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

IAEA Contacts

Scientific Secretary:

Ms Giuliana Aquilanti

Division of Physical and Chemical Sciences
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 28244

Fax: +43 1 26007

Email: G.Aquilanti@iaea.org

Administrative Secretary:

Mr Ruben Gomez Zaragoza

Division of Physical and Chemical Sciences
Department of Nuclear Sciences and Applications
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 26393

Fax: +43 1 26007

Email: R.Gomez-Zaragoza@iaea.org

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

Event Web Page

Please visit the following IAEA web page regularly for new information regarding this event:

[Annual Training Workshop on Synchrotron Techniques and Applications | IAEA](#)