

Session Program

24-25 Nov 2025

**User Community Building Workshop in
Synchrotron Radiation Techniques available
for Cypriot academia and industrial users at
SESAME**

***Connecting research ideas and needs
relevant for Cypriot scientists with analytical
synchrotron techniques and services offered
at the SESAME user facility***

Semeli Hotel Nicosia Cyprus, Conference Room
10, Petraki Yiallourou Street 1077 Nicosia Cyprus

Monday 24 November

11:00

Connecting research ideas and needs relevant for Cypriot scientists with analytical synchrotron techniques and services offered at the SESAME user facility: Session 1

Session |

Location: Semeli Hotel Nicosia Cyprus, Conference Room, 10, Petraki Yiallourou Street 1077 Nicosia Cyprus

11:00–11:20

National strategic research infrastructures BioMERA Platform microCT and the new BioMERApplus XRF and labXAFS: Twinning with SESAME beamlines

Speakers

Dr Kirsi Lorentz, Dr Anis Fatima

Location

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11:20–11:40

Revealing the Unseen: Exploring New Research Horizons for Cyprus with the BEATS Beamline at SESAME

Speaker

Dr Abdellatif Saadaldin

Location

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11:40–11:50

Educational activities with SESAME in the context of the Marie Skłodowska-Curie ENGAGE program

Speaker

Prof. Constantia Alexandrou

Location

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11:50–12:00

Deep Learning for 3D Synchrotron X-ray Tomography Data

Speaker

Haider Shah Syed Muhammad

Location

Online

12:00–12:20

Recent Advances in XAS/XEOL at BM08-XAFS/XRF: Machine Learning-Driven XAFS Data Analysis

Speaker

Dr Latif Ullah Khan

Location

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12:20–12:40

Identification, spatial distribution, and speciation of relevant trace elements in manganese umbers from the Troodos Mountain in Cyprus: a combined X-ray fluorescence and X-ray absorption fine structure spectroscopy study

Speaker

George Chadjigeorgiou

Location

Semeli Hotel Nicosia Cyprus, Conference Room, 10, Petraki Yiallourou Street 1077 Nicosia Cyprus

12:40–13:00

Leveraging the power of exposomics to study the impact of environment on human health

Speaker

Prof. Konstantinos Makris

Location

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13:00