ESRF Information Day
The Use of Synchrotron Radiation in Science

6 May 2022

Conference and Cultural Center University of Patras, Greece

Program

9^{00} - 9^{30}	**Welcome**
	• Rector, Vice Rector for Research and Development, Dean of the School of Natural Sciences (University of Patras) • Dean of the School of Natural Sciences (Aristotle University of Thessaloniki) • Representatives of the Greek Synchrotron Users Network (GrSUN)

9^{30} - 11^{00}	**Session 1: ESRF Overview**
9^{30} - 10^{00}	Francesco Sette, ESRF Director General, *The European Synchrotron Radiation Facility*
10^{00} - 10^{20}	**EBS: A new light for physical sciences - first scientific highlights** Gema Martínez-Criado, *The European Synchrotron Radiation Facility*
10^{20} - 10^{40}	**EBS: A new light for life sciences - first scientific highlights** Annalisa Pastore, *The European Synchrotron Radiation Facility*
10^{40} - 11^{00}	**ESRF Beamtime - Access, Proposals and Use** Joanne McCarthy, *The European Synchrotron Radiation Facility*
11^{00} - 11^{30}	**Coffee Break**

11^{30} - 12^{50}	**Session 2: Biomedical imaging & Cultural heritage**
11^{30} - 11^{50}	**From cultural heritage to biomedical imaging, development of synchrotron phase-contrast hierarchical imaging at the ESRF** Paul Tafforeau, *The European Synchrotron Radiation Facility*
11^{50} - 12^{10}	**Hard X-ray bio-imaging at the nanoscale** P. Cloetens, S. Bohic, M. Eckermann, D. Karpov, F. Monaco, A. Pacureanu, M. Salome, *The European Synchrotron Radiation Facility*
12^{10} – 12^{30}	**Synchrotron Radiation in modern medical imaging** Georgios Panayiotakis, *University of Patras*
12^{30} – 12^{50}	**Shedding new light on ancient technology: Synchrotron radiation-based micro-XANES and micro-XRF analysis of Egyptian blue from the Late Hellenistic workshop of Kos (Greece)** Ariadne Kostomitsopoulou Marketou, *NF Norwegian School of Theology, Religion and Society*

12^{50}-13^{50}	**Session 3: Life Sciences**
12^{50} - 13^{10}	**Facilities for Structural Biology at the European Synchrotron** Christoph Mueller-Dieckmann, *The European Synchrotron Radiation Facility*
13^{10} - 13^{30}	**The Cryo-EM facility at the ESRF: an essential tool for Integrated structural biology** Eaazhisai Kandiah, *The European Synchrotron Radiation Facility*
13^{30} - 13^{50}	**Synchrotron Radiation as a catalyst for the evolution of Structural Biology in Greece** Evangelia D. Chrysina, *National Hellenic Research Foundation*
13^{50} - 15^{00}	**Lunch Break**

15^{00} -16^{40}	**Session 4: Energy – Catalysis – Environment**
15^{00} - 15^{20}	**Towards Holistic Understanding of Electrochemical Energy Conversion and Storage Systems Using High Energy X-rays** Jakub Drnec, *The European Synchrotron Radiation Facility*
15^{20} - 15^{40}	**Shining synchrotron light in agriculture** Hiram A. Castillo-Michel, *The European Synchrotron Radiation Facility*
15^{40} - 16^{00}	**X-ray absorption spectroscopy for industrial and environmental catalysis** Kirill A. Lomachenko, *The European Synchrotron Radiation Facility*
16^{00} - 16^{20}	**X-Ray Absorption Fine Structure Spectroscopy as a tool to elaborate on the immobilization of pollutants in soil and groundwater** Fani Pinakidou, *School of Physics, Aristotle University of Thessaloniki*
16^{20} - 16^{40}	**Solid-State Chemistry through the prism of synchrotron radiation: Case studies in the field of high-performance halide perovskite semiconductors** Constantinos C. Stoumpos, *Department of Materials Science and Technology, University of Crete*

16^{40} - 17^{40}	**Session 5: Nanoscale matter & Quantum Materials**
16^{40} -17^{00}	**Nano-imaging of functional nanomaterials by spatially resolved X-ray diffraction** Tobias U. Schülli, *The European Synchrotron Radiation Facility*
17^{00} -17^{20}	**Studies of Quantum Materials at the ESRF** Nicholas B. Brookes, *The European Synchrotron Radiation Facility*
17^{20} -17^{40}	**Total scattering – a probe for all length scales that matter** Alexandros Lappas, *Foundation for Research and Technology-Hellas, Crete*
17^{40} - 18^{00}	**Coffee Break**

18^{00} -18^{40}	**Session 6: Industrial Activities**
18^{00} - 18^{20}	**The ESRF: a knowledge hub for industry** Ed Mitchell, *Business Development Office, The European Synchrotron Radiation Facility*
18^{20} - 18^{40}	**Discussion**

18^{40} -19^{00}	**General discussion and wrap-up**
19^{00}	End of meeting

Contact

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