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ESRF Information Day The Use of Synchrotron Radiation in Science

6 May 2022

Conference and Cultural Center University of Patras, Greece

Program

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| 900 - 930 | Welcome |
| | <ul style="list-style-type: none"> • Deputy Minister of Development & Investments, Research, Innovation and Technology • Deputy Governor of Entrepreneurship Research & Innovation Region of Western Greece • 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) |
| 930 - 1100 | Session 1: ESRF Overview |
| 930 - 1000 | ESRF: Pioneering Synchrotron Science, engaging in science for society Francesco Sette, ESRF Director General, <i>The European Synchrotron Radiation Facility</i> |
| 1000 - 1020 | EBS: A new light for physical sciences - first scientific highlights Gema Martínez-Criado, <i>The European Synchrotron Radiation Facility</i> |
| 1020 - 1040 | EBS: A new light for life sciences - first scientific highlights Annalisa Pastore, <i>The European Synchrotron Radiation Facility</i> |
| 1040 - 1100 | ESRF Beamtime - Access, Proposals and Use Joanne McCarthy, <i>The European Synchrotron Radiation Facility</i> |
| 1100 - 1130 | Coffee Break |
| 1130 - 1250 | Session 2: Biomedical imaging & Cultural heritage |
| 1130 - 1150 | From cultural heritage to biomedical imaging, development of synchrotron phase-contrast hierarchical imaging at the ESRF Paul Tafforeau, <i>The European Synchrotron Radiation Facility</i> |
| 1150 - 1210 | Hard X-ray bio-imaging at the nanoscale P. Cloetens, S. Bohic, M. Eckermann, D. Karpov, F. Monaco, A. Pacureanu, M. Salome, <i>The European Synchrotron Radiation Facility</i> |
| 1210 - 1230 | Synchrotron Radiation in modern medical imaging Georgios Panayiotakis, <i>University of Patras</i> |
| 1230 - 1250 | 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, <i>NF Norwegian School of Theology, Religion and Society</i> |

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| 12⁵⁰ - 13⁵⁰ | Session 3: Life Sciences |
| 12 ⁵⁰ - 13 ¹⁰ | Facilities for Structural Biology at the European Synchrotron Christoph Mueller-Dieckmann, <i>The European Synchrotron Radiation Facility</i> |
| 13 ¹⁰ - 13 ³⁰ | The Cryo-EM facility at the ESRF: an essential tool for Integrated structural biology Eaazhisai Kandiah, <i>The European Synchrotron Radiation Facility</i> |
| 13 ³⁰ - 13 ⁵⁰ | Synchrotron Radiation as a catalyst for the evolution of Structural Biology in Greece Evangelia D. Chrysina, <i>National Hellenic Research Foundation</i> |
| 13⁵⁰ - 15⁰⁰ | Lunch Break |
| 15⁰⁰ - 16⁴⁰ | 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, <i>The European Synchrotron Radiation Facility</i> |
| 15 ²⁰ - 15 ⁴⁰ | Shining synchrotron light in agriculture Hiram A. Castillo-Michel, <i>The European Synchrotron Radiation Facility</i> |
| 15 ⁴⁰ - 16 ⁰⁰ | X-ray absorption spectroscopy for industrial and environmental catalysis Kirill A. Lomachenko, <i>The European Synchrotron Radiation Facility</i> |
| 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, <i>School of Physics, Aristotle University of Thessaloniki</i> |
| 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, <i>Department of Materials Science and Technology, University of Crete</i> |
| 16⁴⁰ - 17⁴⁰ | Session 5: Nanoscale matter & Quantum Materials |
| 16 ⁴⁰ - 17 ⁰⁰ | Nano-imaging of functional nanomaterials by spatially resolved X-ray diffraction Tobias U. Schüllli, <i>The European Synchrotron Radiation Facility</i> |
| 17 ⁰⁰ - 17 ²⁰ | Studies of Quantum Materials at the ESRF Nicholas B. Brookes, <i>The European Synchrotron Radiation Facility</i> |
| 17 ²⁰ - 17 ⁴⁰ | Total scattering – a probe for all length scales that matter Alexandros Lappas, <i>Foundation for Research and Technology-Hellas, Crete</i> |
| 17⁴⁰ - 18⁰⁰ | Coffee Break |
| 18⁰⁰ - 18⁴⁰ | Session 6: Industrial Research & Activities |
| 18 ⁰⁰ - 18 ²⁰ | The ESRF: a knowledge hub for industry Ed Mitchell, <i>Business Development Office, The European Synchrotron Radiation Facility</i> |
| 18 ²⁰ - 18 ⁴⁰ | Discussion |
| 18⁴⁰ - 19⁰⁰ | General discussion and wrap-up |
| 19 ⁰⁰ | End of meeting |

Contact

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