



Programme

Tuesday, October 7th, 2025

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| 12 :30 – 14 :00 | <i>Welcome coffee</i> |
| 14 :00 – 14 :30 | Opening/Welcome |
| 14 :30 – 15 :15 | How coherent X-rays help to understand the dynamics of glassy water
Katrin Amman-Winkel - <i>Max-Planck Institute for Polymer Research, Mainz, Germany</i> |
| 15 :15 – 15 :45 | Probing Particle Dynamics in a Fully Opaque Porous Network Using X-ray Differential Dynamic Radiography (XDDR)
Pierre Levitz - <i>Phenix Laboratory Sorbonne université, Paris, France</i> |
| 15 :45 – 16 :15 | <i>Coffee Break</i> |
| 16 :15 – 17 :00 | From Bragg CDI to Bragg Ptychography: Recent developments and future directions
Clément Atlan - <i>ESRF, Grenoble, France</i> |
| 17 :00 – 17 :30 | Crystallisation in biomineral mollusc shell studied by 3D Bragg ptychography
Virginie Chamard - <i>Institut Fresnel, Marseille, France</i> |
| 17 :30 – 18 :00 | Multi technique approach for Catalysis: Ammonia oxidation as case study
Andrea Resta – <i>Synchrotron SOLEIL, St Aubin, France</i> |
| 18 :00 – 20 :30 | Poster session – <i>Cocktail dinner</i> |

Wednesday, October 8th, 2025

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| 09 :00 – 09 :45 | X-ray imaging at SOLEIL and the SOLEIL II upgrade
Andrew King – <i>Synchrotron SOLEIL, St Aubin, France</i> |
| 09 :45 – 10 :15 | Unraveling Hydrogen-Induced Phase Transitions in Palladium Nanoparticles via In Situ BCDI
Petra Khater - <i>Universite Grenoble Alpes, CEA, France</i> |

- 10 :15 – 10 :45 *Coffee Break*
- 10 :45 – 11 :30 Probing the Thermally Activated Magnetisation Dynamics in Patterned Arrays
Thomas Hase - *University of Warwick, UK*
- 11 :30 – 12 :00 Fourier Transform Holography Of Magnetic Textures Employing Soft X-Rays With Orbital Angular Momentum
Pietro Carrara - *INSP-CNRS, Montrouge, France*
- 12 :00 – 13 :30 *Lunch*
- 13 :30 – 15 :00 Round Table
- 15 :00 – 15 :30 *Coffee Break*
- 15 :30 – 16 :15 In Situ Bragg Coherent Diffraction Imaging From Energy Materials
Marie-Ingrid Richard - *CEA Grenoble, France*
- 16 :15 – 16 :45 HoToPy: A toolbox for X-ray holo-tomography in Python
Jens Lucht - *Georg-August-Universität Göttingen, Germany*
- 16 :45 – 17 :30 Tomoptychographies des éléments constitutifs d'un composite à matrice organique utilisé dans l'aéronautique
Mathieu Ducousso – *Safran, Magny les Hameaux, France*
- 19 :30 – 22 :00 *Conference Dinner at La Table D'Ivin*

Thursday, October 9th, 2025

- 09 :00 – 09 :45 Imaging the Magnetic Vector Field in Thick Samples using Coherent Scattering
Marisel di Pietro Martinez - *Max-Planck Institute for Chemical Physics of Solids, Dresden, Germany*
- 09 :45 – 10 :15 Nanosecond XPCS with two-dimensional X-ray detector
Yuriy Chushkin – *ESRF, Grenoble, France*
- 10 :15 – 10 :45 *Coffee Break*
- 10 :45 – 11 :30 Reaching the yield point of glasses with X-ray irradiation
Alessandro Martinelli - *Laboratoire Charles Coulomb, Université de Montpellier, Montpellier, France*

- 11 :30 – 12 :00 Multi Bragg coherent X-ray diffraction imaging of strain and defect dynamics in unconventionally oriented catalytic nanoparticles
Mouad Bouita - CEA-Grenoble, France
- 12 :00 – 13 :30 *Lunch*