



Satellite workshop
January 13, 2027
Synchrotron SOLEIL, Saint-Aubin – France

Wednesday, January 13th, 2027

SOLEIL Auditorium - Main Building

Integrative structural biology at SOLEIL : Contributions from the POLARIS cryo-EM and the synchrotron beamlines



SOLEIL Users' Meeting
 January 14 -15, 2027
 Synchrotron SOLEIL, Saint-Aubin - France

Thursday, January 14th, 2027

SOLEIL Auditorium - Main Building

- 09:00 - 10:00 Registration & coffee
- 10:00 - 10:10 Welcome / Introduction – **Amélie Bordage** - S2UO Chair
- 10:10 - 10:50 Latest news from SOLEIL – **Jean Susini** - General Director - *Synchrotron SOLEIL, Saint-Aubin, France*
- 10:50 - 11:35 **Plenary Talk** – When symmetry breaks: a spectroscopic journey into magnetism and chirality
Amélie Juhin - *IMPMC, Paris, France*
- 11:35 - 12:35 Towards SOLEIL II
Eva Pereiro, Amina Taleb - Scientific Director - *Synchrotron SOLEIL, Saint-Aubin, France*
Javier Perez - Deputy Leader of SOLEIL-II Upgrade Project - *Synchrotron SOLEIL, Saint-Aubin, France*
- 12:35 - 14:00 *Lunch*
- Parallel sessions** – 5 different rooms
- Biology and Health (Structural)
 - Chemistry & Soft Matter (Characterization of structure and properties of chemical materials, reactivity, catalysis, chemical surfaces and interfaces / Soft matter)
 - Diluted matter
 - Geosciences / Environment / Cultural Heritage
 - Physics & Advanced Materials (Structural, electronic and magnetic properties of matter / Physical surfaces and interfaces)
- 14:00 - 16:00
- 16:00 - 16:30 *Coffee break setting up in front of the SOLEIL amphitheater.*
- 16:30 - 17:15 **Plenary Talk** – *Inside a Synchrotron: Organizing Work and Making Science*
Cynthia Colmellere – *CentraleSupélec, IDHES/ENS Paris-Saclay, Gif-sur-Yvette, France*
- 17:15 - 19:15 **The posters session science**
 Commercial Exhibitors
- 19:30 - 21:30 *Aperitif / Dinner*
- 21:45 *Bus transfer*

Friday, January 15th, 2027

SOLEIL Auditorium - Main Building

Parallel sessions – 5 different rooms

- 09:00 - 11:00
- Biology and Health (Structural)
 - Chemistry & Soft Matter (Characterization of structure and properties of chemical materials, reactivity, catalysis, chemical surfaces and interfaces / Soft matter)
 - Diluted matter
 - Geosciences / Environment / Cultural Heritage
 - Physics & Advanced Materials (Structural, electronic and magnetic properties of matter / Physical surfaces and interfaces)

11:00 - 11:30 *Coffee break setting up in front of the SOLEIL amphitheater.*

11:30 - 12:15 **Plenary Talk** – The Data Reduction and Analysis group: From the development of softwares and methodologies to the use of artificial intelligence (*Title to be confirmed*)
Emmanuel Fahri - Synchrotron SOLEIL, Saint-Aubin, France

Conclusion

12:15 - 14:00 *Lunch*

14:00 - 17:00 Visit, Symposium and Tutorials

14:00 - 15:30 **Visit of 3 Beamlines** – *DIFFABS / HERMES / PSICHE*

14:00 - 17:00 **Mini-symposium** – *Synchrotron infrared spectroscopy at SOLEIL: valuable results and new challenges*

Organizers: *Pierre Asselin, Amélie Bordage - S2UO, Pascale Roy (AILES beamline), Ferencs Borondic (SMIS beamline) - Synchrotron SOLEIL, Saint-Aubin, France*

14:00 - 17:00 **Tutorial 1** – *Chemometry for XAS*

Organizers: *Anthony Beauvois, Valérie Briois - Synchrotron SOLEIL, Saint-Aubin, France Asma Tougeri - S2UO*

14:00 - 17:00 **Tutorial 2** – *The use of artificial intelligence for tomography data treatment*

Organizers: *Neal Brodnik, Shyam Pulickan - Synchrotron SOLEIL, Saint-Aubin, France, Simona Raneri - S2UO*

14:00 - 16:00 **Tutorial 3** – *Introduction to Using the CasaXPS Program for Processing Photoelectron Spectroscopy (PES) Data*

Organizers: *Vincent Fernandez - IMN, Nantes, France, Luis Cardenas - S2UO*