

## Session Program

14–16 Jan 2026



## 20th SOLEIL USERS' MEETING - SUM2026

### ***PARALLEL SESSION - Geosciences / Environment / Cultural Heritage***

Synchrotron SOLEIL  
Main building Principal/0-0 - Salle Amphitheatre

## Thursday 15 January

13:30

### PARALLEL SESSION - Geosciences / Environment / Cultural Heritage: Invisible metals, visible impacts: Geochemical dynamics and the environment

Session | Location: Synchrotron SOLEIL, Main building Principal/0-0 - Salle Amphitheatre | Convener: Alexandra COURTIN

14:00

14:00

### PARALLEL SESSION - Geosciences / Environment / Cultural Heritage: Oral Communications 1 to 4

Session | Location: Synchrotron SOLEIL, Main building Principal/0-0 - Salle Amphitheatre | Conveners: Charlotte Catrouillet, Simona Raneri

14:00–14:25 Impact of redox conditions on the binding of redox-inert contaminants to magnetite

Speaker

Dr Rémi Marsac

14:25–14:50

Investigation of Iron and Copper Speciation : Deciphering the Green Colorations of Medieval Stained-glass Windows

Speaker

Cecile Bretonnet

14:50–15:15

Environmental degradation of plastics in soils: example of polypropylene alteration investigated by synchrotron-based GIXD and nano-CT

Speaker

Quentin Bollaert

15:15–15:40

Art Gets the Blues: Simple Colorimetric Tools for X-ray Dose Assessment

Speaker

Alice Gimat

15:40

16:10

### PARALLEL SESSION - Geosciences / Environment / Cultural Heritage: How Synchrotrons can help us understand the dangers of historical lead-based cosmetics

Session | Location: Synchrotron SOLEIL, Main building Principal/0-0 - Salle Amphitheatre | Convener: Fiona McNeill

16:10–16:40

How Synchrotrons Can Help Us Understand the Dangers of Historical Lead-Based Cosmetics

Speaker

Fiona McNeill

16:40

16:40

### PARALLEL SESSION - Geosciences / Environment / Cultural Heritage: Oral Communications 5 to 8

Session | Location: Synchrotron SOLEIL, Main building Principal/0-0 - Salle Amphitheatre | Conveners: Charlotte Catrouillet, Simona Raneri

16:40–17:05

Quantifying the Speciation of Sulfur and Associated Metals in Geological Fluids Using Synchrotron Spectroscopy

Speaker

Dr Gleb Pokrovski

17:05–17:30

**Characterization of 19th and 20th century African glass beads using XRF and XAS spectroscopy****Speaker**

Laurent TRANCHANT

17:30–17:55

**Impact of different micro-organisms (bacteria, archaea) on the Platinum (Pt) speciation****Speaker**

Justine Le Doare

17:55–18:20

**Multi-scale synchrotron study of critical-metal phases by XRF and XANES spectroscopies****Speaker**

Georgia Grypaïou Iskenteridou

18:20