

Session Program

14–16 Jan 2026



20th SOLEIL USERS' MEETING - SUM2026

PARALLEL SESSION - Chemistry & Soft Matter

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

Thursday 15 January

13:30

PARALLEL SESSION - Chemistry & Soft Matter: STXM as a tool for studying the morphology of organic semiconducting nanoparticles for energy applications

Session | Convener: Anne
HEBRAUD

14:00

14:00

PARALLEL SESSION - Chemistry & Soft Matter: Oral communications 1 to 4

Session | Location: CEA, BLOCH Auditorium | Conveners: Amélie Bordage, asma tougerti, Luis Cardenas

14:00–14:25

Revealing the mechanisms of enhanced Photo-Electrocatalytic OER performance of Ni doped maghemite via operando XAFS

Speaker
Francesco PAPARONI

14:25–14:50

Comparison of STXM and SXP for the Morphological Study of Organic Semiconducting Nanoparticles Used for Hydrogen Production

Speaker
Sufal SWARAJ

14:50–15:15

Tracking Hydrogen-Driven Structural Dynamics in Supported Pd Nanoparticles Using Full-Field Hyperspectral XAS Imaging

Speaker
Marlon Muniz da Silva

15:15–15:40

Fate of self-assembled squalene nanoparticles in a biomimetic medium assessed by scattering techniques

Speaker
Hugo Roncin

15:40

16:10

PARALLEL SESSION - Chemistry & Soft Matter: Realistic catalysts at work: APXPS insights into surface transformation for sustainable energy applications

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

16:10–16:40

Realistic Catalysts at Work: APXPS Insights into Surface Transformations for Sustainable Energy Applications

Speaker
Spyridon Zafeiratos

16:40

16:40

PARALLEL SESSION - Chemistry & Soft Matter: Oral Communications 5 to 8

Session | Location: Synchrotron SOLEIL, Main building Principal/0-0 - Salle Amphitheatre | Conveners: asma tougerti, Luis Cardenas, Amélie Bordage

16:40–17:05

Probing Protonation State Dependent Charge Transfer-to-Solvent in L-cysteine via Sulfur K β Valence-to-Core Resonant Inelastic X-ray Scattering

Speaker
Sayantan Sarkar

17:05–17:30

Strong Coupling Attraction in Nanoconfined Water Between Like-Charged Phospholipid Layers

Speaker
Arnaud HEMMERLE

17:30–17:55

Cation Ordering in Synthetic Stannoidite ($\text{Cu}_8\text{Fe}_3\text{Sn}_2\text{S}_{12}$) Revealed by Multiple-Edge Anomalous Diffraction

Speaker
Carmelo Prestipino

17:55–18:20

Operando Surface-Sensitive X-ray Scattering of Pd Nanoparticles for Selective NH_3 Oxidation

Speaker
Alina VLAD

18:20