FASEM 2026
for Energy Materials
Advanced school

French-Swedish Academy
for Scattering Experiments & Modeling

16-20 March
ILL, FR

SCOPE

The FASEM is a recurring biennial advanced-school, rotating across three key thematic areas: Scattering Techniques for Environment & Materials, Life Sciences, and Energy Applications. Its goals are to prepare the future generation of users of large-scale facilities for synchrotron and neutron scattering; develop and strengthen sustainable scientific exchanges between the French and Swedish communities on the use of large-scale facilities, in connection with the forthcoming ESS commissioning; and strengthen the links between institutes in France (ILL, ESRF, SOLEIL) and in Sweden (MAX-IV, ESS).

TOPICS

- Interactions of n & X with matter
- Neutron and X-ray imaging
- Neutron and X-ray diffraction
- SANS, SAXS
- Reflectometry
- Battery materials: operando studies
- Materials for nuclear reactor and fusion plants
- X-ray spectroscopy
- Neutron spectroscopy
- Hydrogen storage materials
- Energy research in industry
- Surfaces and Interfaces Batteries
- Proton conduction
- Uranium extraction
- Data treatment and FAIR principle
- Artificial Intelligence in Data Analysis
- Managing nuclear waste
- Nuclear fuel, tomography
- Societal impact of energy research

SCIENTIFIC COMMITTEE

- Peter Fouquet, ILL
- Gerardina Carbone, MAX IV
- Fabrice Cousin, CEA
- Celine Durniak, ESS
- Pascale Launois, CNRS/SFN
- Marie Plazanet, UGA
- Valentin Vinci, ESRF
- Max Wolff, UU

ORGANISING COMMITTEE

- Peter Fouquet, ILL
- Christine Darve , (FASEM coord.) ESS
- Victor Ducret, French Embassy
- Yan Pautrat, French Embassy
- Laurence Tellier, ILL

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APPLICATON DEADLINE
02/02/2026

https://workshops.ill.fr/e/FASEM202
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Poster : L. Tellier