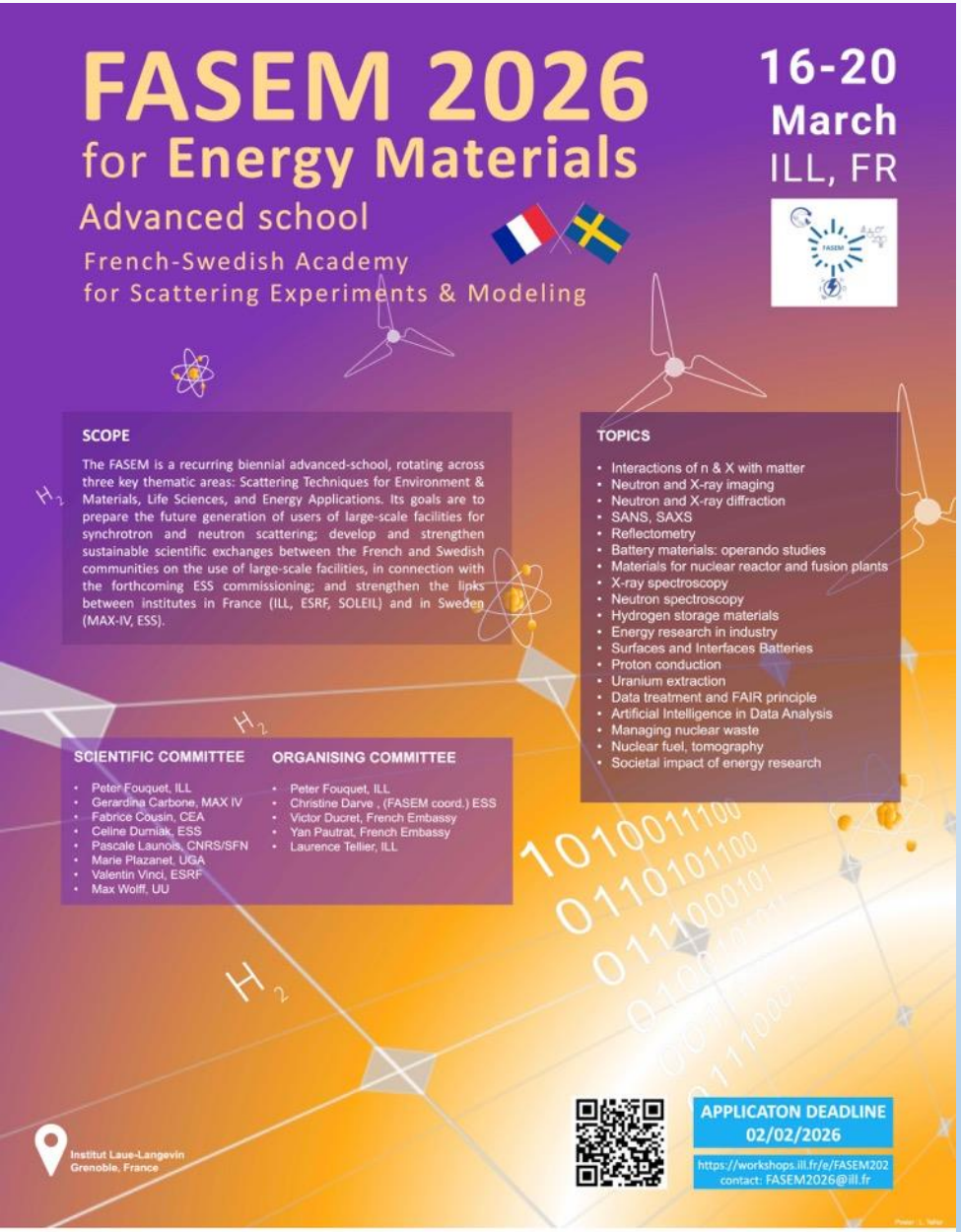
FASEM 2026
for Energy Materials
Advanced school
French-Swedish Academy
for Scattering Experiments & Modeling

16-20 March
Intitut Laue-langevin
France

Closing remarks & Poster & Clip Awards



FASEM – Advanced School on Neutron & Synchrotron Techniques, driven by French–Swedish synergies

- **Biennial advanced school** training the next generation of users of large-scale facilities (neutron & synchrotron), supporting **European scientific sovereignty**.

- **Strengthens French–Swedish collaboration** with the support of the **Ambassade de France en Suède**, while engaging the wider **European photon & neutron community**.

- **Complements the well-established (35!) HERCULES School** with a **short, thematic format and online access**, reaching a broader international audience.

- **Fosters collaboration** across **academia, research infrastructures, and industry**, including engagement with emerging scientific communities.

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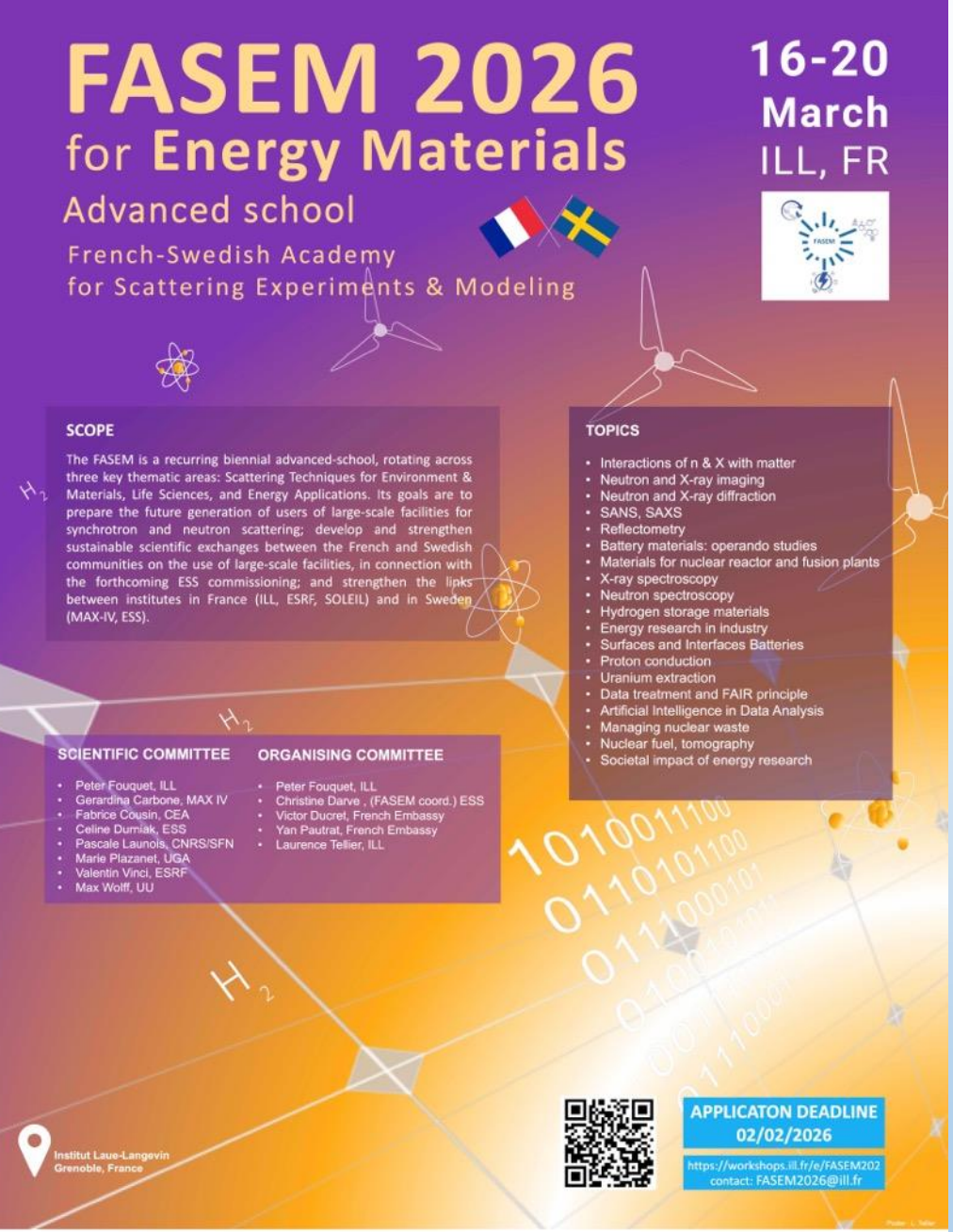

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Topics

- **Neutron and X-ray Techniques**
- **Battery and Hydrogen Materials**
- **Nuclear Materials and Fuel Cycle**
- **Simulations and AI in Energy Research**
- **Industrial Applications and Societal Impact**

- 20 Professors

- 152 Candidates registered by February 2, 2026
- 30 selected in-persons
  - 9 countries: Allemagne, Australie, Danemark, Espagne, France, Italie, Royaume-Uni, Suède, Suisse
  - 22 institutes

- Many participants on-line from more than 37 Countries thanks to Open-Access !

Agenda

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	16/3/2026 MONDAY	17/3/2026 TUESDAY	18/3/2026 WEDNESDAY	19/3/2026 THURSDAY	20/3/2026 FRIDAY
09:00	Registration	Neutron and X-ray Diffraction (for Energy Materials) - *Ove Korjus*	X-ray spectroscopy - *Valérie Briois*	DFT Modelling - Elisa Rebolini	Societal impact of energy research - *Héloïse Goutte*
09:30					
10:00	Welcome address and presentation of ILL		Coffee break	Coffee break	Coffee break
10:30					
11:00	Coffee break	Coffee break	Neutron & X-ray Reflectometry - *Max Wolff*	Artificial Intelligence in Data Analysis - *Vincent Favre-Nicolin*	Round table: Energy research with an impact
11:30	Introduction to X-rays and Neutrons for Materials Science and Energy - *Aleksandar Matic*	Small Angle Neutron and X-ray Scattering - *Xaver Brems*			
12:00			Hydrogen storage materials - *Max Wolff*	Neutron spectroscopy studies of perovskites for energy applications - Maths Karlsson	
12:30					Closing remarks & Clip Awards
13:00	Lunch break	Lunch break	Lunch break	Lunch break	
13:30					
14:00					
14:30	An Introduction to Neutron and X-ray Imaging - *Alessandro Tengattini*	Neutron spectroscopy - *Michael Marek Koza*	ILL visit	Preparation of Beamtime Proposals *Peter Fouquet and the Lecturers*	
15:00					
15:30	Coffee break	Operando characterizations of batteries - *Sandrine Lyonnard*		Radioactive Sources and Long Term Storage *Frank Cocina Jr.*	
16:00				Coffee break	
16:30	ESRF welcome (Visitor Center) and visit	Coffee break	Coffee break	Imaging for (nuclear) energy *Markus Strobl*	
17:00		Materials for nuclear reactor and fusion plants - *Pär Olsson*	Energy research in industry - *Jonas Okkels Birk and Markus Strobl*		
17:30	Poster Session & reception (mezzanine ESRF)			Student Clips	
18:00			School dinner		
18:30					
19:00					

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Sponsoring

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Société Française Neutronique · NEUTRONS FOR SOCIETY · enen · UGA Université Grenoble Alpes · MAX IV · ALFA LAVAL · SOLEIL SYNCHROTRON

Special thanks to : **ENEN**

European Nuclear Education Network

We bring our contribution in preserving and developing the European Capacity in the Nuclear Fields

"Swedish" students sponsored:

Andreas	Erlandsson
Anjali	Vijayan
Erika	Magnusson
Hugo	Mårtensson
huifang	Yang
Jugo	Okabe
Juliana	Avtarovski
Marcus	Liljenberg
Pardeep Kumar	Tanwar
Sagar	Jathar

FASEM-Advanced school !

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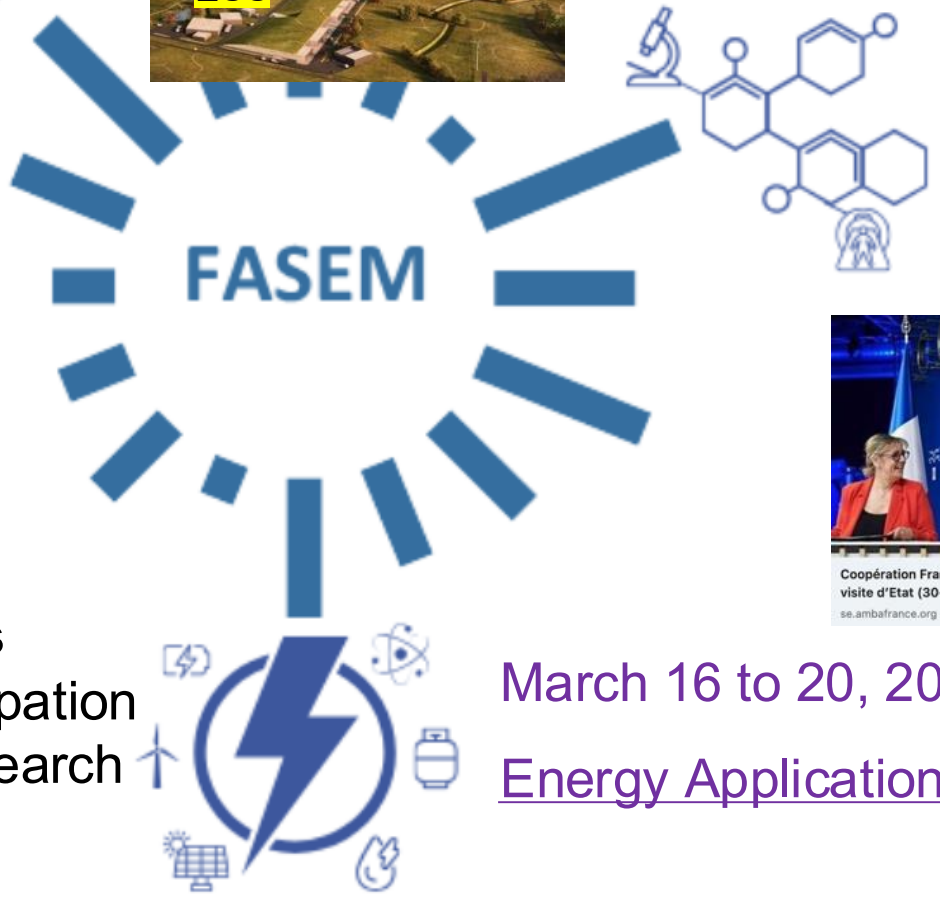
June 2019: Materials & Environment (see Indico)



March 2024: Life Science

Evolution since 2019

- **From experiments to data analysis**
- **Hybrid format** enabling wider participation
- **Broader ecosystem:** academia, research infrastructures & industry

March 16 to 20, 2026 @ ILL (FR):

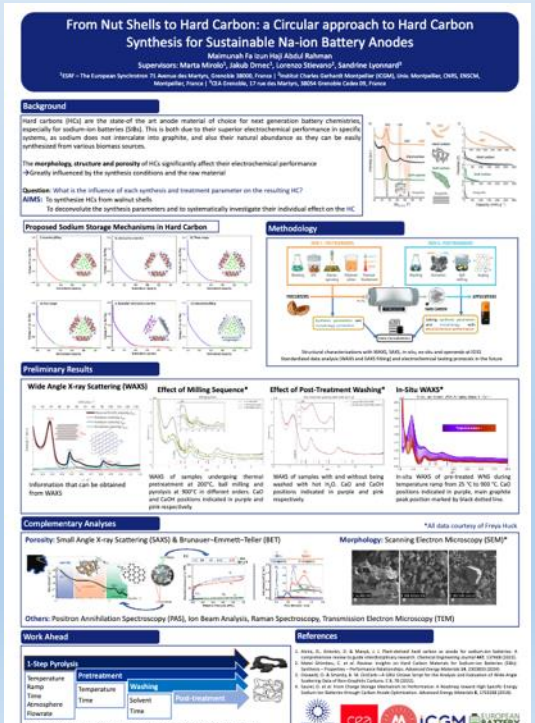
Energy Applications / Energy Materials

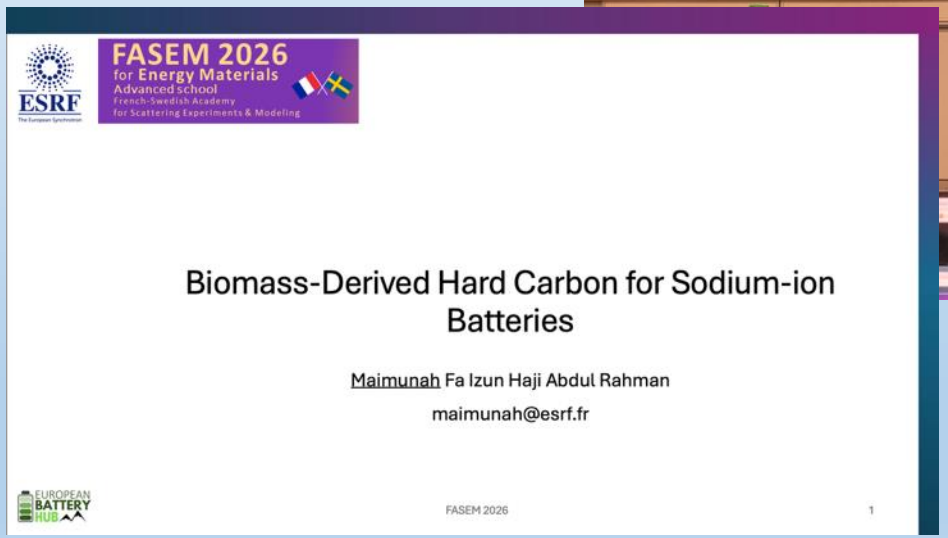
Poster & Clip Awards

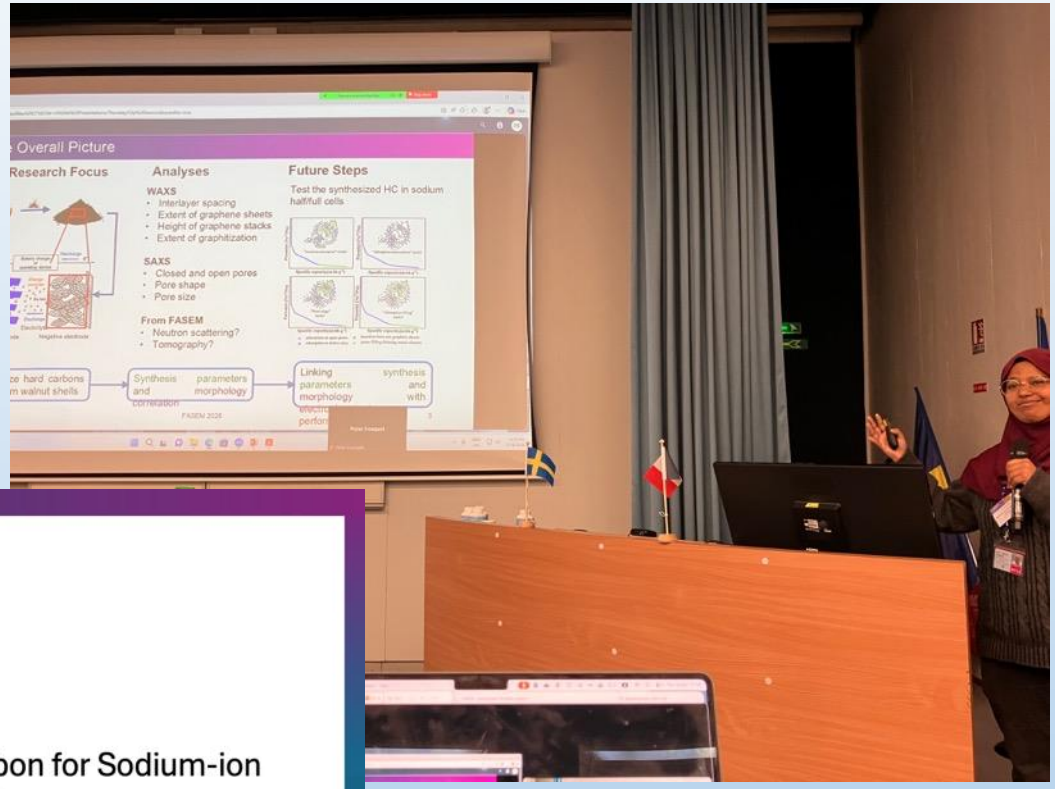
Best Poster & Clips

1st Prize :

Maimunah Fa Izun Haji Abdul Rahman



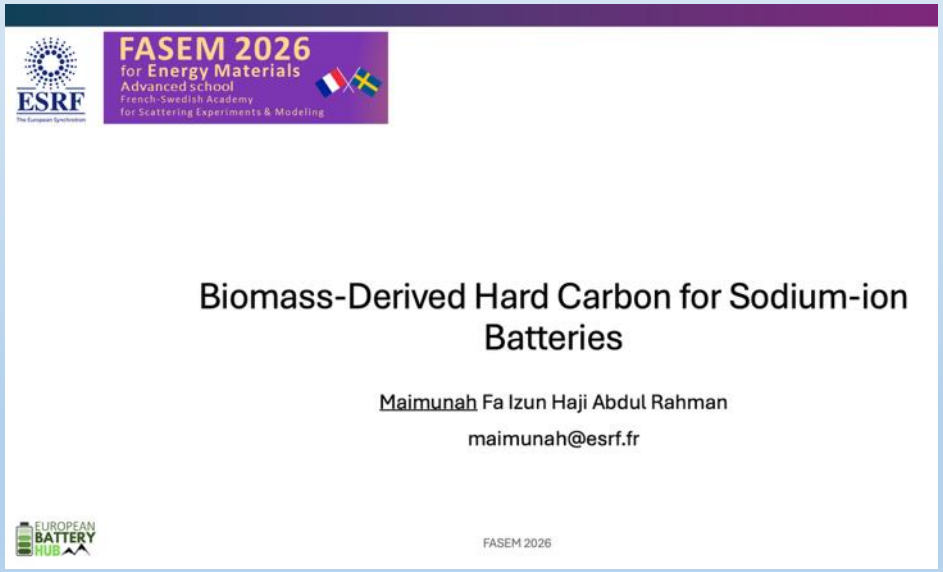




Best Poster & Clips

2nd Prize :

Sagar Jathar

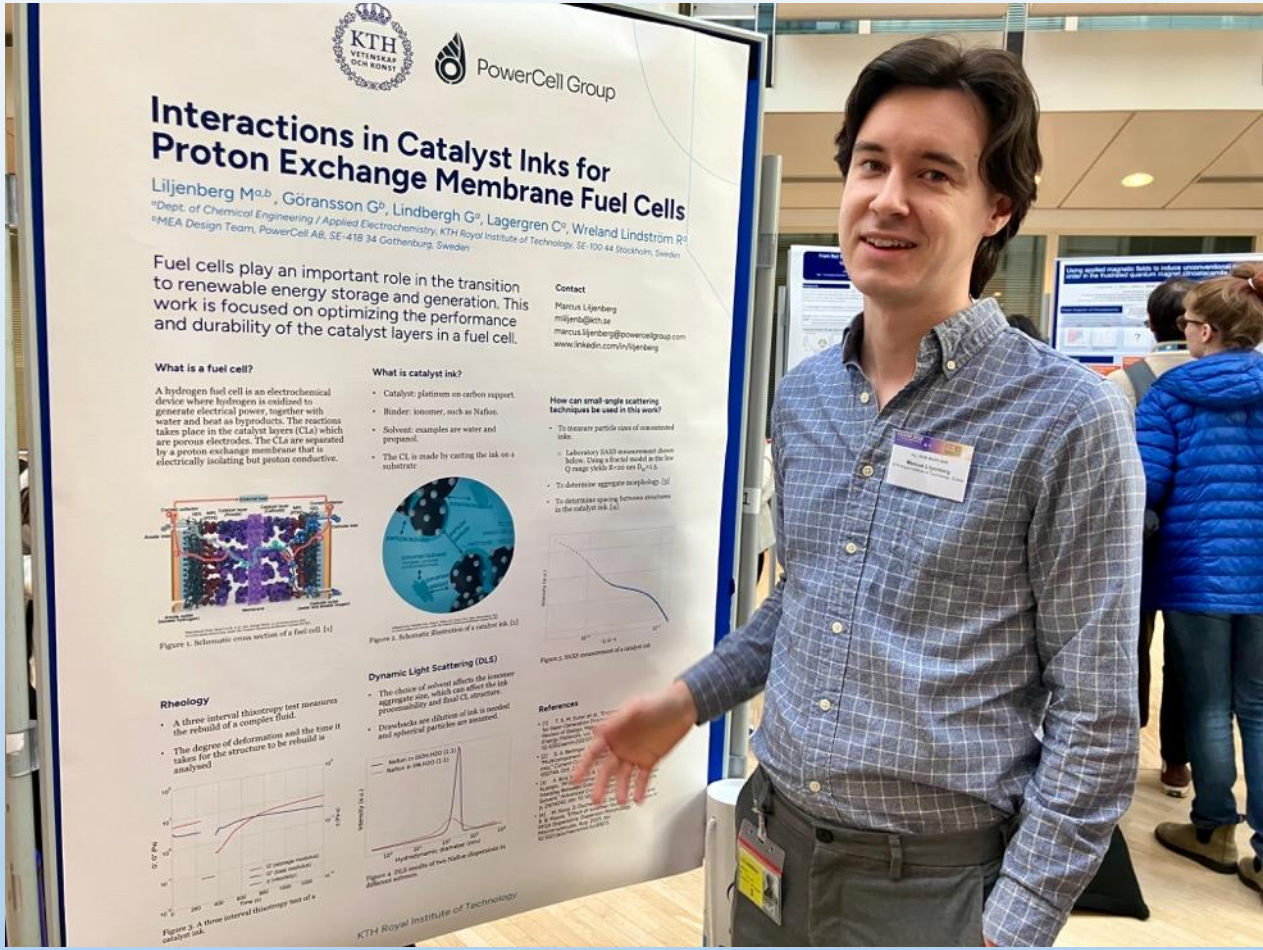


Best Poster & Clips

3rd Prize :

Marcus Liljenberg

“Interactions in Catalyst Inks for Proton Exchange Membrane Fuel Cells”



FASEM in pictures

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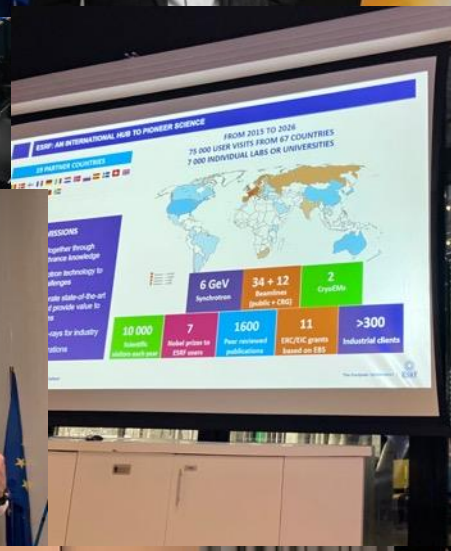
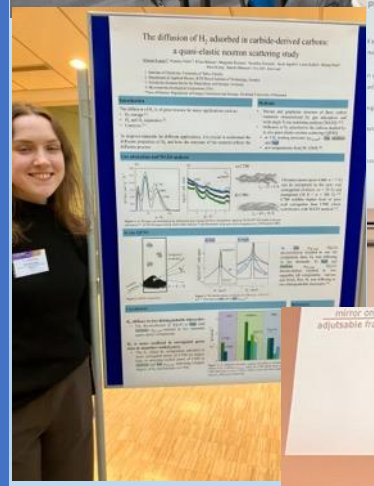
https://cloud.ill.fr/index.php/s/djKR7n4KfRZFD3Z?path=%2FFriday%2FPhotos





A special “Merci” !!

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