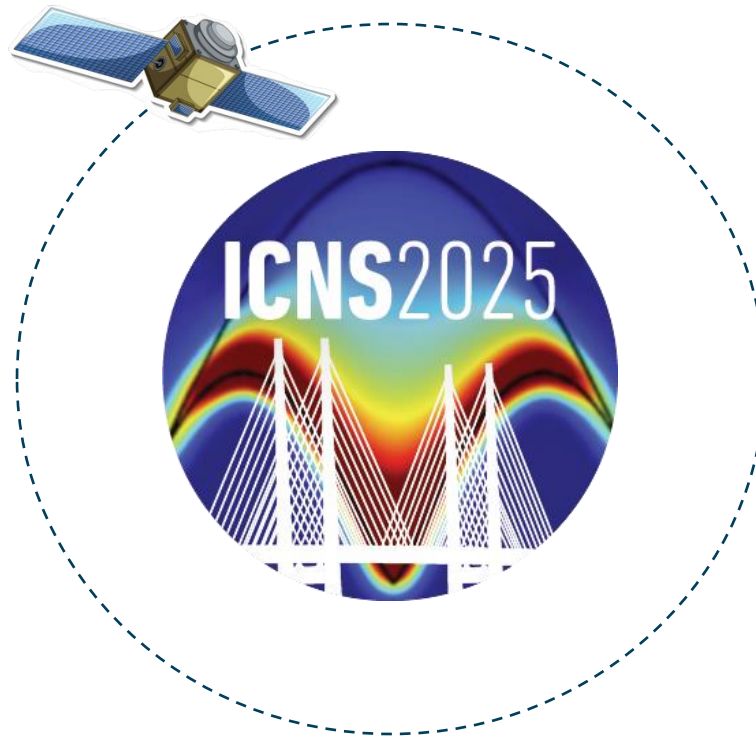


Advanced computer simulations methods for neutron scattering instruments 2025

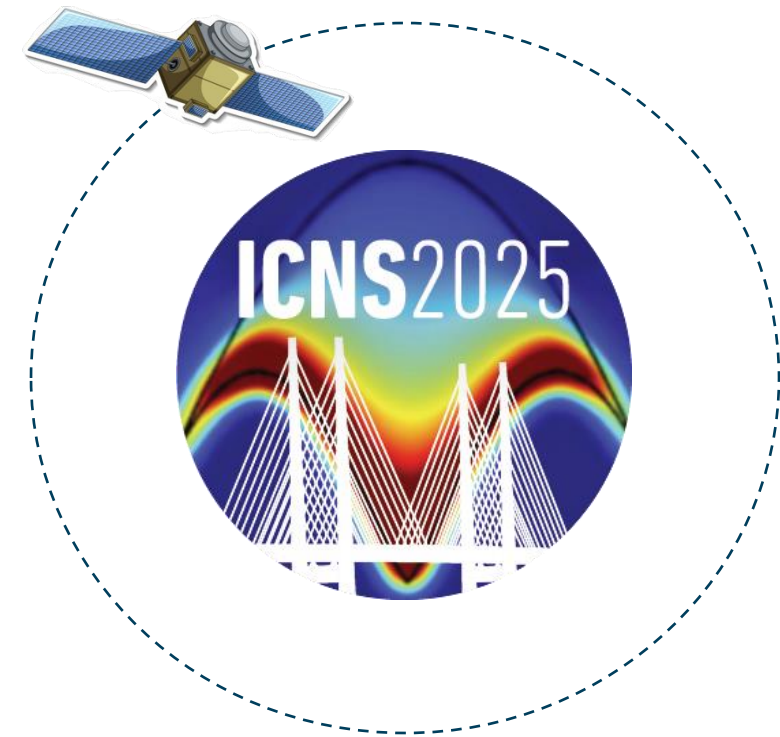


Welcome



- Inspired by ORNL symposium
Advancements in Simulating Neutron Scattering Instruments and Experiments
- Intent with workshop
 - *Academia points for young scientists*
 - *Closer collaboration within community*
- Delighted to see this many register

Advanced computer simulations methods for neutron scattering instruments 2025



ESS Modelling group at DMSC



- Simulations

- McStas: Monte Carlo Ray-tracing
- NCrystal: Thermal neutron scattering kernels



Peter Willendrup



Mads Bertelsen

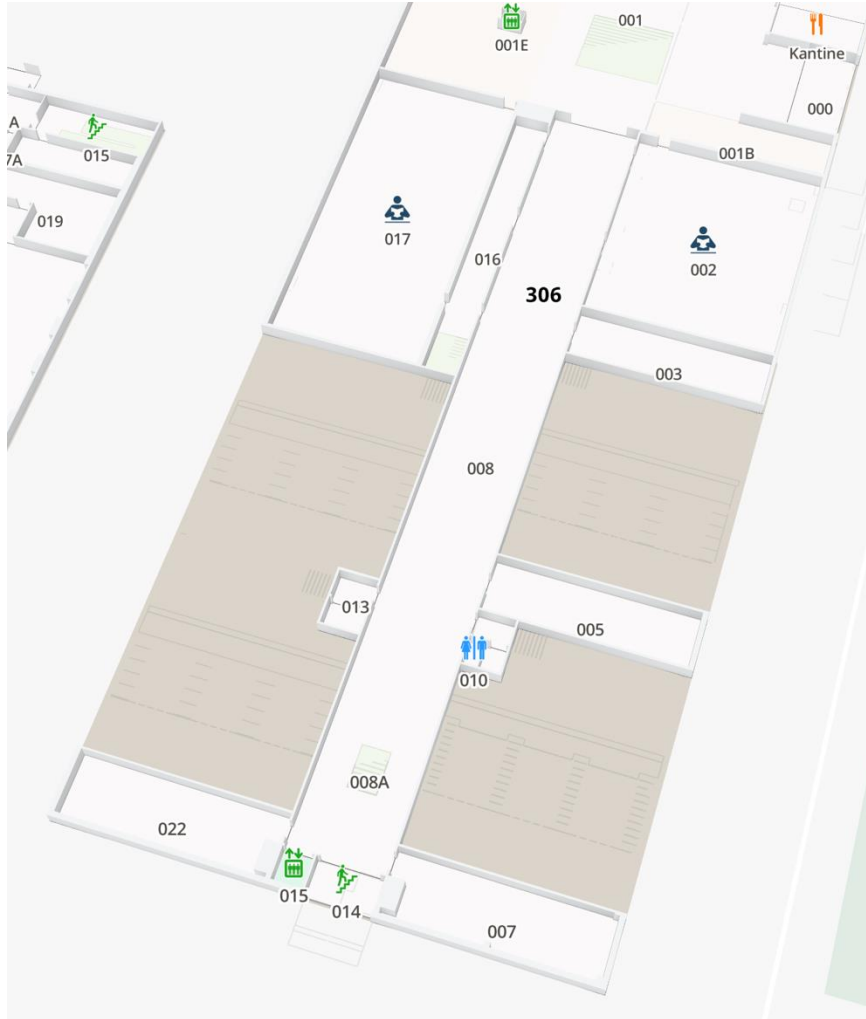


Thomas Kittelmann



Torben Nielsen

Practical



Welcome and packages

Mads Bertelsen

Break (15 min)

Software and digital twins

Peter Willendrup

Lunch (45 min)

Use cases and development

Jan Saroun

Break (20 min)

New capabilities

Thomas Kittlemann

Posters (80 min)

Future



- Want discussion and feedback on how to continue these workshops / conferences
- Combine with training? How frequent?



Future



- Want discussion and feedback on how to continue these workshops / conferences
- Combine with training? How frequent?
- Volunteers for cleanup would be highly appreciated
- Restaurant Flammen 19:30 tonight
Buffet with meat and salad options
Address: Nyropsgade 2, 1602 København

