

COSY Semester Opening Event



The **COmputational multi-Scale materials societY** (COSY) Gemini senter event will be held on **August 22, 2025, at Realfagbygget, NTNU**. The morning talks will cover a range of length scales of interest to materials simulation, and in the afternoon, Dr. Alin Marin Elena from the Daresbury Laboratory, UK, will speak on *Machine Learned Potentials*. A light lunch will be served.

Program: (Location will be shared with registered participants)

09:00 Introduction to the COSY Gemini Center and coffee

09:15 Anders Lervik: "Accelerating simulations of reactive events in biological systems"

10:00 Alireza Qaiumzadeh: "Atomistic vs micromagnetic spin dynamics simulations"

10:30 Coffe Break

11:00 Corinna Schulze-Netzer: "DFT inputs to study Reaction mechanisms with CFD".

11:45 Rosario Roberto Riso: "Cavity Polaritonics".

12:30 Lunch and gathering

In collaboration with the Friday Physics Colloquium:

14:15 Alin Marin Elena: "Machine Learnt Interatomic Potentials for High-Throughput Phonon Calculations of Metal-Organic Frameworks". (**Room R60**)

15:00 Final gathering and discussion.

We ask the participants to register at the following link to arrange location and food:

<https://nettskjema.no/a/cosy-semester-opening-event>



Leaders Management

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