

Session Program

15-19 Sept 2025



MEDSI2025 - 13th International Conference on Mechanical Engineering Design of Synchrotron Radiation Equipment and Instrumentation

Simulation Session 2

The Loop
Lund, Sweden

Thursday 18 September

10:20

Simulation Session 2: FEA Methods, Structural, Thermal, Vibration

Session | **Location:** The Loop, Lund, Sweden | **Convener:** Mr Karl Åhnberg

10:20–10:40

Simulation-driven innovation for instrumentation development at DESY and European XFEL

Speaker

Fan Yang

10:40–11:00

Development of new bent crystal assemblies for SPS and LHC accelerators

Speaker

Tristan Calvet

11:00–11:20

Challenges and optimization of Mu2e proton target design with radiative cooling

Speaker

Zunping Liu

11:20–11:40

From simulation to measurement: Enhancing FE simulation for PETRA IV and EuXFEL girders

Speaker

Daniel Thoden

11:40–12:00

Design of SLS 2.0 BPM block support structure with damping mechanism

Speaker

Xinyu Wang

12:00