

Session Program

15-19 Sept 2025



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

Core Technology Developments

The Loop
Lund, Sweden

Friday 19 September

10:20

Core Technology Developments

Session | **Location:** The Loop, Lund, Sweden | **Convener:** Mark Erdmann

10:20–10:40

Test bench for development of cooling mechanism of the first optical crystal towards SPring-8-II

Speaker

Haruhiko Ohashi

10:40–11:00

Corrosion studies of MAX IV storage rings' vacuum components

Speaker

Simone Scolari

11:00–11:20

Non-destructive & destructive testing on accelerator's components and materials at the European Spallation Source

Speaker

Andrea Bignami

11:20–11:40

CAD and PLM solutions at ESS

Speaker

Dawid Patrzalek

11:40–12:00

Compact differential pumping system for windowless in-air sample environments beamline

Speaker

Cristian Maccarrone

12:00