

Session Program

15-19 Sept 2025



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

Precision Mechanics

The Loop
Lund, Sweden

Thursday 18 September

15:20

Precision Mechanics: Nano Positioning

Session | **Location:** The Loop, Lund, Sweden

15:20–15:40

A laser tracking system for sample positioning

Speaker

François Villar

15:40–16:00

The X-ray free-electron laser oscillator at the European XFEL: design and status

Speaker

Bertram Friedrich

16:00–16:20

Traceable sub-nanometre interferometry to improve nanopositioning applications at synchrotron & XFEL beamlines

Speaker

Simon Alcock

16:20–16:40

Enabling high-precision nano-positioning for beamlines: the Precision Metrology Laboratory at Diamond Light Source

Speaker

Qingxin Meng

16:40