



Laser metrology, machine tool, CMM and robotic performance



LAMDAMAP

MATADOR



Precision & Performance Conference

17th - 20th November 2025

Cranfield University,
Cranfield, UK

NEW EVENT



Precision & Performance 2025: MATADOR, LAMDAMAP & Thermal Issues

For the first time in history, 2025 marks the combination of three well-established conference communities to solve and address the challenges inherent in precision manufacturing. The combined MATADOR, LAMDAMAP, and Thermal Issues Conference 2025 brings together cutting-edge research and industry expertise in manufacturing processes, metrology, and thermal management. This international event will highlight advances in machine tools, industrial robotics, and precision engineering, providing a platform for leading scientists, engineers, and industry professionals to present and discuss their latest research and innovations.

MATADOR Conference

Established in 1959, the MATADOR Conference is one of the longest-running and most respected events in manufacturing. It attracts high-quality, peer-reviewed research from around the world, focusing on advancements in **manufacturing automation, systems technology, applications, design, organisation, and management.**

LAMDAMAP Conference

The Laser Metrology and Machine Performance (LAMDAMAP) Conference focuses on advancements in **machine tool metrology, surface characterisation, and novel manufacturing techniques.** As the demand for nanometre-level precision grows, accurate measurement and control of machine performance have become more critical than ever.

Thermal Issues in Precision Engineering

Thermal effects are a major source of error in **precision equipment**, directly impacting **repeatability, stability, and long-term performance.** As industry tolerances tighten, understanding and mitigating thermal influences is essential. This section of the conference will showcase cutting-edge research and practical solutions in **temperature measurement, thermal compensation, and AI-driven corrective techniques.**

Conference Topics Include:

- Product Design & Manufacturing Processes
- Integrated Metrology in Manufacturing
- Innovations in Measurement Technologies
- Advances in Machine Tools, Robotics, and Automation
- Machine Tool Performance Evaluation
- Dimensional Surface Characterisation Standards & Assessments
- AI & Machine Learning
- Machine Learning in Metrology & Control
- Thermal Compensation Techniques & Model Reduction
- Temperature Measurement & Control in Precision Engineering

With a strong focus on industrial collaboration and real-world applications, the **MATADOR, LAMDAMAP & Thermal Issues 2025 Conference** offers unparalleled opportunities for knowledge exchange, networking, and innovation. euspen leverages its extensive network of industrialists and researchers to ensure an impactful and forward-thinking event.

Join us as we push the boundaries of precision engineering and manufacturing excellence!

Key dates

11 th July 2025	Short abstract submission deadline
11 th July 2025	Student scholarships application open
1 st September 2025	Paper submission deadline
1 st September 2025	Student scholarship application deadline
19 th September 2025	Notification of presentation award (oral/poster)
19 th September 2025	Notification of student scholarships (oral/poster)
22 nd September 2025	Registration open

Please visit our website for further information

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