



Dear Delegates,

We very much look forward to welcoming you to euspen's 14th Lamdamap International Conference, which will take place virtually from Wednesday 10th – Thursday 11th March 2021.

To help you with your planning, we have provided a summary of key information for the meeting.

Meeting access

euspen's 14th Lamdamap International Conference and tutorial will take place via [Zoom](#).

Access links for both the tutorial and conference will be sent out via email w/c 1st March 2021 to those delegates that have registered. It is recommended that you become familiar with Zoom in advance of the conference and download if necessary.

We kindly ask that during the meeting delegates place themselves on mute to avoid any background noise whilst presenters are presenting.

Please note that this virtual meeting will be recorded to allow to delegates to watch post event.

Programme

The conference programme is available on the Lamdamap [webpage](#) and a summary of the day's events are detailed below. Please note that all times are shown in Central European Time (CET).

Date	Programme Summary	Time (CET)
Wednesday 10th March	Tutorial: Metrology of machine tools and industrial robots geometry and compliance	09:00 –12:00
Wednesday 10th March	Lamdmap Conference: Day 1 <ul style="list-style-type: none">- Keynote & oral presentations- Coffee & debate- Commercial presentation	13:00 –16:45
Thursday 11th March	Lamdmap Conference: Day 2 <ul style="list-style-type: none">- Keynote & oral presentations- Coffee & debate- Commercial presentations- Heidenhain scholarship awards	09:00 –16:00

Tutorial

Prof. Andreas Archenti, KTH Royal Institute of Technology, SE and Prof. René Mayer, École Polytechnique de Montréal, CA will give a live, interactive tutorial on **Metrology of machine tools and industrial robots geometry and compliance**.

This tutorial will cover the indirect measurement of geometric error addressing the methods, uncertainty, thermal dependence and compensation. It will also cover compliance testing and its use for the compensation of machine tools and industrial robots.

The tutorial will take place via [Zoom](#) and will be fully interactive so please have your webcam/video switched **on** during the tutorial.

Keynotes



Wednesday 10th March
13:10 – 13:40

Dr Masahiko Mori
DMG MORI, JP

The future of global manufacturing and machine tool industry



Wednesday 10th March
13:40 – 14:10

Prof. Patrick Keogh
University of Bath, UK

Metrology enabled robotic machining



Wednesday 10th March
15:20 – 15:50

Shawn Moylan
National Institute of Standards and Technology, US

Machine performance evaluation for metal additive manufacturing



Thursday 11th March
09:00 – 09:30

Prof. Dr.-Ing. Steffen Ihlenfeldt
Fraunhofer Institute for Machine Tools and Forming Technology IWU, DE

Correction of thermo-elastic errors in machine tools – How digital twins help to minimize TCP deviations



Thursday 11th March
09:30 – 10:00

Dr Tom McLeay
Sandvik Coromant, SE

Enabling technologies for data and knowledge driven software services in manufacturing



Thursday 11th March
11:10 – 11:40

Ian Laidler
Wayland Additive, UK

Additive manufacturing with electrons

Keynotes cont.

Thursday 11th March
13:45 – 14:15

Chris Ivory and Oliver Noakes
Hexagon Manufacturing Intelligence, UK

Next generation measurement sensors and the disconnect with traditional metrology requirements



Thursday 11th March
14:15 – 14:45

National Institute of Standards and Technology, US

Dimensional measurement traceability by X-ray computed tomography – where are we?

Oral and Poster presentations

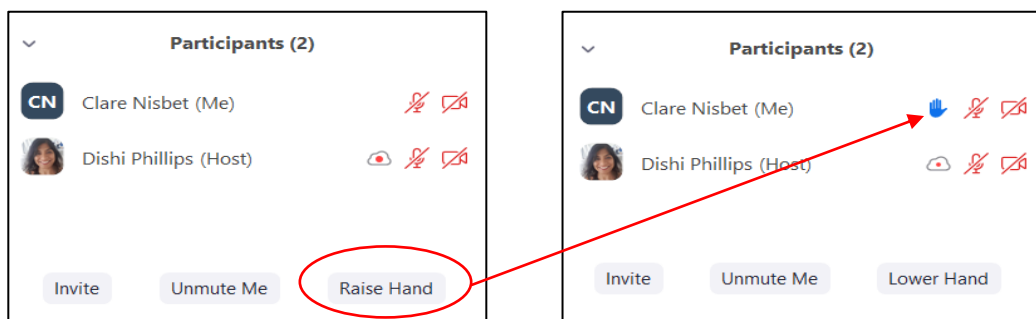
All oral and poster presentations will be presented **live** via Zoom and a timetable detailing all presentations can be found on the meeting [programme](#).

Question & answers

Throughout the meeting, delegates will have the opportunity to ask presenter's questions.

At the end of each oral session, there will be a coffee and debate session where presenters will answer any questions. Session chairs will aim take as many questions as they can in the allotted time.

To ask a question delegates should select the **'raise hand'** option on Zoom during or directly after the presentation to indicate to the session chair that a question would like to be asked. Please do not type questions in the chat functionality.



If selected by the session chair to ask a question the delegate should unmute their microphone and proceed to ask their question.

Delegates should place themselves back on mute after their question has been answered by the presenter.

Coffee & debate

The coffee and debate sessions are an opportunity for delegates to enter into open discussion and will be facilitated by the session chair.

We encourage delegates to bring along a cup of tea or coffee and join these sessions to openly discuss the session presentations, state-of-the-art practice, and key research and development in the area of machine tool metrology.

Abstracts & conference recordings

Abstracts and conference recordings will be made available on the euspen [Knowledge Base](#) w/c 15th March 2021.

On behalf of the euspen team, thank you for your continued support and for allowing us to remain connected. We look forward to welcoming you virtually to the 14th Lamdamap International Conference.