



Special Interest Group:
**Advancing Precision in
Additive Manufacturing**
21st- 23rd September 2021

Virtual Meeting



Dear delegates,

We very much look forward to welcoming you to the 8th in the series of Special Interest Group meetings between euspen and ASPE on Advancing Precision in Additive Manufacturing which will take place virtually from Tuesday 21st – Thursday 23rd September 2021.

To help you with your planning, we have provided a summary of key information for the meeting. For any issues during the conference please contact info@euspen.eu.

Meeting Access

The meeting platform for the virtual presentations will be conducted using [Zoom](#). It is recommended that you become familiar with this tool and download if necessary.

When trying to access the meeting you may receive the following message “waiting for the host to start this meeting”. If you see this message, please wait and as soon as the meeting is ready to start you will be permitted access to the plenary.

Please make sure you have your full name detailed on your Zoom profile so that we can identify you.

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

Programme

The full meeting [programme](#) is available on the event webpage and a summary of the day’s events are detailed below. Please note that all times are shown in Central European Summer Time (CEST). A printable copy of the programme can be found [here](#).

Date	Programme Summary	Time (CEST)
Tuesday 21st September	Tutorial: Non-destructive testing for additive manufacturing	09:00 – 12:30
Tuesday 21st September	Meeting: Day 1 <ul style="list-style-type: none">- Keynote & oral presentations- Coffee & debate sessions	13:00 – 16:55
Wednesday 22nd September	Meeting: Day 2 <ul style="list-style-type: none">- State-of-the-art reviews & oral presentations- Commercial session- Poster session- Coffee & debate sessions	09:00 – 16:30
Thursday 23rd September	Meeting: Day 3 <ul style="list-style-type: none">- Keynote, State-of-the-art review & oral presentations- Coffee & debate session	09:00 – 12:35

Tutorial

Dr Ben Dutton from the Manufacturing Technology Centre (MTC), UK will give a live, interactive tutorial on **Non-destructive testing for additive manufacturing**. The tutorial will focus on the non-destructive testing advances for Additive Manufacturing from typical methods such as X-ray CT to novel/emerging like RAM & PCRT and some of their progress on PoD.

Keynotes

We are delighted to welcome the following three prestigious keynotes who will be presenting at the meeting:

Tuesday 21st September 2021



13:15 – 13:45
Dr.-Ing. Bernhard Mueller
Fraunhofer IWU, Dresden, DE

Next generation design for additive manufacturing and how the technologies need to adapt



15:20 – 15:50
Marco Salvisberg
GF Casting Solutions, CH

Transforming the supply chain of metal components for industrial gas turbines through the new possibilities of additive manufacturing

Thursday 23rd September 2021



09:00 – 09:30
Martin Schäfer
Siemens AG, DE

Evaluation of hybrid AM technology chains considering the process accuracies for integration into industrial production

State-of-the-art reviews

Wednesday 22nd September 2021



09:00 – 09:25
Assoc. Prof. Michael A. Cullinan
University of Texas at Austin, US

Precision engineering challenges in micro/nanoscale additive manufacturing



14:00 – 14:25
Afaf Remani
University of Nottingham, UK

In-process measurement methods for defect identification in metal powder bed fusion

Thursday 23rd September 2021



09:30 – 09:55
Joe Eastwood
University of Nottingham, UK

Machine learning for precision engineering

Oral Presentations


Details of all oral presentations can be found on the meeting [programme](#).

Delegates will have the opportunity to ask presenters questions during the coffee and debate session adjacent to the oral session. The coffee and debate sessions are an opportunity for delegates to ask questions and enter into open discussion around state-of-the-art practice, key research and developments. These sessions will be facilitated by the oral session chair.

Session chairs will aim to take as many questions as possible during the allotted time. To ask a question delegates should either:

1. Type a question in the chat box.
2. Select the 'raise hand' option on Zoom to indicate to the session chair that you would like to ask a question.

To raise a hand in Zoom on Windows PC or Mac you will need to:

- Select 'Participants' from the meeting controls at the bottom of your screen.
- Select 'Raise Hand' from the options that appear inside the participants panel.  raise hand

Further information can be found [here](#).

If selected to ask a question you should unmute your microphone and proceed to ask your question. You should then place yourself back on mute once your question has been answered.

Poster Session

All poster presenters will give a 4 minute live presentation during the poster session. Delegates will have the opportunity to ask poster presenters questions once the last poster presenter has finished presenting.

Exhibitors

A big thank you to our exhibitors who are supporting this event:



We are delighted that our exhibitors will be presenting in our commercial session which is scheduled to take place on Wednesday 22nd September at 12:45 (CEST).

Abstracts & conference proceedings

All Advancing Precision in Additive Manufacturing 2021 abstracts will be accessible via the proceedings section of the [euspen knowledge base](#) from Monday 20th September. Please select 'SIG Additive Manufacturing' from the event drop down to access the abstracts.

The conference proceedings will be available to access on the [knowledge base](#) from w/c 27th September 2021.

Meeting recordings

Meeting recordings for Tuesday 21st September – Thursday 23rd September will be made available on the [euspen knowledge base](#) w/c 27th September 2021. Further information on how to access these recordings will be sent to all delegates once they have been uploaded to the Knowledge Base.

On behalf of the [euspen](#) team, thank you for supporting us and for allowing us to remain connected. We look forward to welcoming you virtually to the meeting.