18 - 19 June 2024, Brussels, Belgium

PULSATE 2024: Laser Innovations Summit

AGENDA 18th June

09:00 Registration

09:30 Welcome - AIMEN Technology Centre

09:45 Keynote **Prof. Dr Ir. Ing Michael Vervaeke.** Vrije Universiteit Brussel - Brussels Photonics

10:00 PULSATE overview & Digital Agora. **Pablo Romero**. PULSATE Project Coordinator. AIMEN Technology Centre

10:30 PULSATE support program: Technology Transfer Experiments and Adopter Use Cases. **Dr. Tian Long.** Technology Manager. Manufacturing Technology Centre.

11:00 Coffee break

11:30 Success Stories session 1

- Development of new markets for Riblet applications through implementation of LBAAM technology. **Andreas Flanschger.** CEO. Bionic Surface
- Customised Ultra Friction Surface Solutions. **Deborah Federici.** R&D - Project Management Officer. ML Engraving
- Processing of thick and brittle wafers using pulsed laser ablation. **Amir Rabani.** Managing Director. Advancete Limited

12:30 Success Stories session 2

- OPTImisation of a POlyurethane MIX. **Guido Servetti.** R&D Engineer. ITACAe
- Laser Aided Structure and Surface Designs on Porcelain and Clay for Enhanced Aesthetics. **Edina Andrási.** Artist. PULSATE Adopter
- Lasertex, Attaching Electronics to Textile. **Sabri Mahdaoui.** Manager. DYNABACK-TSHIRT.

13:15 Lunch

14:30 Success Stories session 3

- Print letterpress and relief printing. **Éva Somogyi.** PULSATE Adopter
- HIGH-Quality large area metal additive manufacturing. **Stefano Bonora.** Dynamic Optics srl. and CNR-IFN
- Cost Effective Sensor Fusion for AM/LMD Quality Control. **Juan Isaza.** EXOM.
- Digital in-process NDT for Laser based powder Additive Manufacturing. **Bernard Revaz.** CEO. AMiquam

15:30 Round table: Fostering Industry connection in laser-based innovation.

Chair **Pablo Romero**, AIMEN Technology Centre

Fabian Zeulner. COLIBRIUM ADDITIVE

Bernard Revaz. AMiquam

Dr. Andreas Wetzig. Fraunhofer Institute for Material and Beam Technology - IWS

16:30 Closure

Agenda 19th June

9:00 Registration
9:20 Welcome
9:30 AI applications and opportunities in laser-based manufacturing
Harry Bikas. Project Manager at Laboratory for manufacturing Systems and Automation. University of Patras.
9:50 Focus on microprocessing applications

- Industrial lasers for micro processing. **Nicolás Valero**. Ph.D Key Account Manager & Sales Manager Benelux. Amplitude.
- Recent laser microfabrication technologies developed at FTMC. **Romualdas Trusovas.** Senior researcher. Center for Physical Sciences and Technology.
- Femtosecond laser applications. **Raúl García.** CEO. Microrelleus
- Spatial Light Modulators for High Power Lasers. **Manuel Loureiro.** Technical Marketing Engineer. Hamamatsu

11:15 Coffee break
11:45 EU funded projects panel. LIMES CLUSTER.
METAMORPHA. **Folkert Vrijburg.** Technologist. PHILIPS Personal Health
OPERATIC. **Pablo Romero,** AIMEN Technology Centre
BILASURF. **Andreas Flanschger.** CEO. Bionic Surface
InShaPe. **Fabian Sonnen.** Innovation Technology Engineer. EOS GmbH
12:30 I4MS IA Change2Twin – Digital Twins for Manufacturing SMEs – Outcomes and synergies with PULSATE
Tor Dokken. Research Manager. SINTEF DIGITAL.
12:50 Training, Qualification & Standardisation: barriers or enablers for laser-based manufacturing?
Rita Gomes. Head of Projects Unit. European Federation for Welding, Joining and Cutting.
13:10 Closing remarks
13:30 Networking lunch
14:30 End of event

Event Venue

The Summit will take place at The Square Convention Center, (Coudenberg entrance) Coudenberg 3, 1000 Brussels.

More info at ac.epic-photonics.com/pulsate-2024

Pulsate

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