



Thursday, 21st of October 2021 – Laser Industrial Applications

- 10.30 to 10.40 h Opening
- 10.40 to 11.00 h **The green laser in additive manufacturing: materials and applications**
TRUMPF
Eduardo Aza, Additive Manufacturing Sales Manager
- 11.00 to 11.20 h **Latest developments designed for Emobility**
BINZEL-SCANSONIC
Dr.-Ing. Axel Luft, Managing Director Sales
- 11.20 to 11.40 h **How ARM Fiber laser technology can help improve laser welding processes**
Coherent Rofin
Javier Jimeno, Market Development Manager Industrial Laser Sources Spain & Portugal
- 11.40 to 11.50 h *Virtual Coffee*
- 11.50 to 12.10 h **Innovations to optimise the performance of a cutting laser**
AMADA UK Ltd. Subsidiary Spain
Yerai Roque, Product Manager & North Area Sales Manager
- 12.10 to 12.30 h **Certification by laser cladding for critical processes**
TMCOMAS
Jaume Nin, PhD. Head of Technical Research, Development and Technological Innovation Department
- 12.30 to 12.50 h **Benefitting from laser and photonics technologies: opportunities from PULSATE and PHOTONHUB for manufacturing SMEs**
AIMEN Technology Centre
Pablo Romero, Senior Researcher in Advanced Manufacturing Processes
- 12.50 to 13.00 h Questions and Closing

**The main language will be Spanish but some presentation will be given in English.*

ORGANISES:



Friday, 22nd of October 2021 – Laser Research

- 10.30 to 10.40 h Opening
- 10.40 to 11.00 h **Development methodology to resolve current problems in the laser processing of materials through beam shapingg**
AIMEN Technology Centre
Jorge Arias, Senior Researcher in Advanced Manufacturing Processes
- 11.00 to 11.20 h **Development of a new manufacturing route by LMD with NiCrSiFeB alloys to replace cobalt in aeronautical components**
LORTEK
Juan Carlos Pereira, PhD. Senior Researcher in Additive Metal Manufacturing
- 11.20 to 11.40 h **Manufacture of metal parts by directed energy deposition with laser and powder in the Network of Excellence in Additive Manufacturing - READI Project**
AIMEN Technology Centre
Pilar Rey, PhD. Senior Researcher in Advanced Manufacturing Processes
- 11.40 to 11.50 h *Virtual Coffee*
- 11.50 to 12.10 h **Physics-based numerical modelling of metal additive manufacturing**
INEGI
Dr. Marco Parente (PhD.), Senior Research Fellow – Assistant Professor
- 12.10 to 12.30 h **Manufacturing materials with functional gradient A316L / Inconel 625 using DED laser**
UDC
María José Tobar, University Professor.
Industrial Laser Applications Laboratory Research Group
- 12.30 to 12.50 h **The use of laser for the preparation of optical surfaces, from direct writing to negative fabrication for replication: materials and methods**
AIMEN Technology Centre
Francisco Gontad, PhD. Senior Researcher in Advanced Manufacturing Processes
- 12.50 to 13.00 h Questions and Closing

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