

AIMEN LASER

XI WORKSHOP ON
MATERIALS PROCESSING
WITH LASER TECHNOLOGY
12-13 November 2015

SEMANA INTERNACIONAL LÁSER 2 INTERNATIONAL LASER WEEK
9/13 NOVIEMBRE 2015

XI WORKSHOP ON MATERIALS PROCESSING WITH LASER TECHNOLOGY 12nd and 13rd November 2015

Thursday, 12nd of November 2015

8.30 to 9.00h **Registration and delivery of documents**
9.00 to 9.30h **Opening ceremony**
Mr. Fernando Vázquez - President AIMEN Technology Centre
Mr. Jesús A. Lago - General Manager AIMEN Technology Centre
Mr. Ignacio Imizcoz - Responsable Laser Division
TRUMPF Maquinaria, S.A.

9.30 to 9.50h Platinum Session

Laser softening of press hardend steel in high volume production lines
Mr. Daniel Minh Maier - TRUMPF Maquinaria, S.A.

9.50 to 11.30h Session 1: Industry-Specific Applications - Aeronautical and Metalmechanic

New perspectives for high productive batch production for aerospace industry
Mr. Hendrik Schonefeld - SLM Solutions GmbH

Laser additive manufacturing in robotic cell
Mrs. Gemma Castro - AIMEN Technology Centre

Repair of blisk and impeller like geometries by laser cladding
Mr. Eneko Ukar - Universidad del País Vasco UPV/EHU

Laser assisted additive manufacturing of mechanical components with gradual function
Mr. Fernando J. Yáñez Casal - Universidad de A Coruña UDC

Laser-MAG hybrid welding for high thicknesses
Mr. Álvaro Prada - AIMEN Technology Centre

Development of laser beam welding technology for aluminium - lithium alloys. Application at pre-industrial level
Mrs. Maria San Sebastián - IK4 - LORTEK

11.30 to 11.50h Coffee Networking

11.50 to 12.35h Stands Visit

12.35 to 14.15h Session 2: Industry-Specific Applications - Automotive and Health

Automatic quality control in laser welding EGRC applications
Mr. Jesús Jiménez Palacios - VALEO THS / TPT-TSE-Zaragoza

Virtual engineering methodology to reduce overall cost of assembly and to improve fatigue performance
D. Alex Aymerich Azpeitia - ESI GROUP

Clad Weld: Usibor TWB without AISi deoating
Mrs. Elisenda Vila - GESTAMP

Latest developments in laser welding of polymers
Mr. David Bosom - Rofin-Baasel España, SLU

Laser direct manufacturing of micromolds in PDMS for the replication of medical devices
Mr. George Goh - AIMEN Technology Centre

Laser micromachining applications in the field of health: case studies
Mr. Iban Quintana - IK4 - TEKNIKER

14.15 to 15.30h Lunch Networking

15.30 to 18.00h Speakers' Corner: Sponsors

21.00h Dinner and Social Event

Friday, 13rd of November 2015

9.00 to 10.15h Session 3: Laser Sources and Systems

Ultrafast lasers technology and their industrial applications
Mrs. Julie Guer - Amplitude Systemes

New trends in high power diode laser technology
Mr. Andre Eltze - Laserline GmbH

Bright multi kW fiber lasers
Mr. Frank Gaebler - Coherent Inc.

Latest developments in pulsed laser sources
Mr. David Bosom - Rofin-Baasel España, SLU

10.15 to 11.10h Session 4: Quality Control

Multimodal spectral control of laser processing with cognitive abilities
Mr. Antón García - AIMEN Technology Centre

Development of an advanced control system based on temperature and vision for metal deposition by laser LMD
Mr. Beñat Aramendi - IK4 - LORTEK

Laser welding quality control system based on MWIR high speed image sensors
Mr. Germán Vergara - NIT, New Infrared Technologies S.L.

11.10 to 12.00h Coffee Networking and Stands Visit

12.00 to 13.40h Session 5: New Processes and Others

FP7-APPOLO - hub of application laboratories for equipment assessment in laser based manufacturing
Mr. Carlos Molpeceres - Centro Láser Universidad Politécnica de Madrid

Ultrafast laser ablation of silver nanowires in future organic electronic devices
Mrs. Laurie Wipliez - Alphanov

New scanning solutions for faster material processing
Mr. Christoph Wienken - Scanlab

Laser welding assisted by cooling with CO2
Mr. Serge Suzon - Air Liquide España

GESLIn - laser safety in industrial environments
Mr. Josep Maria Silvestre and Mrs. Maria Casademont - Procareligh S.L.

Presentation of research fields in micro processing in the FAIERA project
Mr. Jorge Arias - AIMEN Technology Centre

13.40 to 13.45h Closing

13.45 to 15.30h Lunch Networking

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