

## PROVISIONAL AGENDA

### Thursday, 29<sup>th</sup> September 2016

8.30 to 9.00h Register and delivery of material

9.00 to 9.30h Official opening

Fernando Vázquez – President AIMEN Technology Centre  
Jesús Lago – General Manager AIMEN Technology Centre  
Álvaro Gómez – Sales Manager BINZEL Soldadura S.L.  
Ignacio Imizcoz – Laser Division Manager TRUMPF Maquinaria S.A.

#### 9.30 to 10.10h PLATINUM SESSION

**Seam tracking: updating the remote welding processes**

Christoph Franz - BINZEL Soldadura S.L.

**Capillary depth measurement for process control**

Wilrid Dubitzky - TRUMPF Maquinaria S.A.

#### 10.10 to 11.20h Session 1: Laser Sources and Systems

**Advanced laser tools enables new micromachining options**

Gonzalo Guadaño - LASING S.A.

**High speed cladding and additive manufacturing with diode lasers**

Andre Eltze - Laserline GmbH

**Latest developments and applications in laser welding of pipes and profiles**

Mikel Bengoa - Rofin-Baasel España SLU

**New developments in beam deflection technologies**

Holger Schlüter - SCANLAB AG

#### 11.20 to 12.10h Coffee Networking & Stands Visit

#### 12.10 to 14.10h Sponsor's Corner

#### 14.10 to 15.30h Lunch Networking

#### 15.30 to 16.10h Session 1: Laser Sources and Systems

**Droplet assisted technique in laser process (machining and cleaning)**

José Manuel López López - Loughborough University

**GF Machining Solutions: from design to innovative surfaces thanks to laser texturing**

Benjamin Paganelli - GF Machining Solutions

#### 16.10 to 17.50h Session 2: Quality Control

**Infrared high-speed image applied to the monitoring and control of laser processing**

Germán Vergara Ogando - NIT, New Infrared Technologies S.L.

**Open LMD, multimodal monitoring and processing control LMD**

Noemí Otero - AIMEN Technology Centre

**Closed loop control of deep penetration welding and further potential of low coherence interferometry**

Markus Kogel-Hollacher - Precitec Optronik GmbH

**Effect of the gap width on the weld surface shape: analysis and comparison of two laser-arc hybrid welding modes**

Javier Lamas - Luleå University of Technology

**Inspection of powder flow during LMD deposition by high speed imaging**

Armando J. Yáñez - University of A Coruña

#### 20.30h Social Event

#### 21.30h Dinner

### Friday, 30<sup>th</sup> September 2016

9.30 to 10.00h Plenary Session

**The Automotive Industry as the Key Driver of Laser Technology**

keynote speaker : Johnny Larsson –VOLVO CAR CORPORATION

#### 10.00 to 11.10h Session 3: Industry-Specific Applications

**Remote laser welding in high volume production**

Alexander Müller - II-VI HIGHYAG

**3D PRINTING: Turn hype into industrial manufacturing solutions**

Javier Paluzie - EOS GmbH Electro Optical Systems

**Manufacturing of an aeronautical component in Ti64 through SLM (Selective Laser Melting) technology**

María San Sebastián - IK4 LORTEK

**Manufacturing and validation of microfluidic devices on glass through laser technology**

Maite Flores Arias - Photonics4Life Research Group –University of Santiago de Compostela

#### 11.10 to 11.50h Coffee Networking & Stands Visit

#### 11.50 to 14.00h Session 4: New Processes and Others

**Functionalization of materials by MLSE technology**

Magdalena Sánchez Navarro – INESCOP

**Strategies for embedding fiber optic sensors for service life monitoring of metal components through laser technology**

Ander Zornoza – AIMEN Technology Centre

**LIPSS formation by nanosecond laser irradiation of Poly (ethylene terephthalate) and Poly (trimethylene terephthalate) reinforced with carbon-based fillers**

René Israel Rodríguez Beltrán - Laser and Photonics Applications' Group – University of Salamanca

**Influence of cladding parameters**

Fidel Zubiri - IK4- LORTEK

**Laser micromachining with ultra-short laser pulses: a simple method for topography prediction**

Daniel Arnaldo – AIMEN Technology Centre

**Ultra-precision machining through ultra-short pulse laser sources: successful cases**

Iban Quintana - IK4 – TEKNIKER

**Laser safety training in industrial environments**

Josep Maria Silvestre/ María Casademont - PROCARELIGHT

**Metallization of composites through AL foil laser deposition**

Sara Abalde – AIMEN Technology Centre

#### 14.00 to 14.05h Closing

#### 14.05 to 15.00h Lunch Networking

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