

9:00-9:30

9:30-10:00

10:00-10:30

10:30-11:00

Registration and collection of documentation

Welcome Coffee

11:00-11:30

Congress Opening

11:30-12:00

12:00-12:30

Keynote Session 1: **J.M. Prado**

12:30-14:00

Parallel Session 1A:
1. Moulding Processes, 5. Welding, 10. Production PlanningParallel Session 1B:
2. Forming processesChairs: **J.A. García, E. Gómez**Session Secretary: **G. Seoane**Chairs: **L. Sevilla, I. Buj**Session Secretary: **E. Rosendo**

Speaker name

Title of the Paper

Affiliation

Speaker name

Title of the Paper

Affiliation

12:30-12:45

Gómez Monterde, Javier

Morphology and mechanical characterization of ABS foamed by microcellular injection moulding

Universitat Politècnica de Catalunya

Bagudanch Frigolè, Isabel

Manufacturing of polymeric biocompatible cranial geometry by single point incremental forming

Universitat de Girona

12:45-13:15

Ferrer Real, Inés

Study of the ultrasonic molding process parameters for manufacturing polypropylene parts

Universitat de Girona

Borrego Puche, Marcos

On the Study of the Single-stage Hole Flanging Process by SPIF

Universidad de Sevilla

13:00-13:15

Artaza Orlando, Teresa

Abrasive waterjet texturing as a method to enhance the embedment of metallic inserts in composite materials

Tecnalia

Ekinovic, Sabahudin

Assessment of the surface topography of Al 99.5% tubular products formed by cold flow forming technology

University of Zenica

13:15-13:30

Souto Grela, Javier

Procedure to reduction of the distortion due to welding process applying high temperature thermal transient tensioning

Universidad de Vigo

Sánchez Egea, Antonio

Improvement of cold wire drawing process by electropulsing

Universitat Politècnica de Catalunya

13:30-13:45

Estrems Amestoy, Manuel

Numerical method to calculate the roundness deviation in turning thin rings

Universidad de Navarra

Martínez Pastor, Juan

Experimental analysis of rheological behaviour of a multi-base energetic material during conventional extrusion

Universidad Politécnica de Cartagena

13:45-14:00

Zapico García, Pablo

A Comparison Between Discrete and Continuous Scanning With Conoscopic Holography

Universidad de Oviedo

Bermudo Gamboa, Carolina

Application of the Upper Bound Theorem to indentation processes with tilted punch by means of Modular Model

Universidad de Málaga

14:00-14:30

14:30-15:00

15:00-15:30

Lunch

15:30-17:30

Parallel Session 2A:
3. Machining processesParallel Session 2B:
**4. Non-Traditional manufacturing processes
11. Rapid prototyping and additive manufacturing**Chairs: **Q. de Ciurana, P. Català**Session Secretary: **G. Puig**Chairs: **S. Ferrandiz, F. Fenolosa**Session Secretary: **B. El Oumari**

Speaker name

Title of the Paper

Affiliation

Speaker name

Title of the Paper

Affiliation

15:30-15:45

Buj Corral, Irene

Comparison between mathematical models for roughness obtained in test machine and in industrial machine in semifinish honing processes

Universidad Politècnica de Catalunya

Zamora, Rosendo

Development of a Facility for Molten Metal Micro-droplets Generation

Universidad Politécnica de Cartagena

15:45-16:00

Ekinovic, Sabahudin

Investigation of influence of MQL machining parameters on cutting forces during MQL turning of carbon steel St52-3

University of Zenica

Mascaraque-Ramírez, Carlos

Experimental study of surface finish during electro-discharge machining of stainless steel

Universidad Politécnica de Cartagena

16:00-16:15

Aretxe Elorza, Egoitz

A reliable method for five-axis milling of impellers based on the estimation of cutting forces

Universidad del País Vasco

Mascaraque-Ramírez, Carlos

Numerical modelling of surface quality in EDM processes

Universidad Politécnica de Cartagena

16:15-16:30

San Juan Blanco, Manuel

Study of cutting forces and temperatures in milling of AISI 316L

Universidad de Valladolid

Mayuet Ares, Pedro

SOM/SEM based characterization of internal delaminations of CFRP samples machined by AWJM

Universidad de Cádiz

16:30-16:45

Miroslav, Nesuslan

Monitoring of hard milled surfaces via Barkhausen noise technique

University of Žilina

Arrizubieta Arrate, Jon Iñaki

Thermal Simulation of Laser-assisted Turning

Universidad del País Vasco

16:45-17:00

Mendoza Muñoz, Ismael

Design analysis of a structural aerospace assembly part of aluminium as the proposal part machined in one step by flexion test using strain gages and FEA

Universidad Autónoma de Baja California

Montealegre, M^a Ángeles

Laser Additive Manufacturing of High Added Value

AIMEN
Universidad de la Coruña

17:00-17:15

Szecei, Tamas

The influence of the mechanical deformations on the machining accuracy of complex profiles on CNC lathes

Dublin City University

Lokesh, Bade / Shyha, Islam

Investigation into the Development of an Additive Manufacturing Technique for the production of Fibre composite products

Northumbria University

17:15-17:30

Boyano Cantano, Juan

Magnetic chuck failure prediction: towards the use of non conventional clamping in milling operations

Universidad de Vigo

Maazouz, Yassine

Low temperature additive manufacturing of biomimetic ceramic scaffolds for bone tissue regeneration

Universidad Politécnica de Catalunya

17:30 - 18:00

18:00 - 18:30

18:30 - 19:00

19:00 - 19:30

19:30 - 20:00

20:00 - 20:30

20:30 - 21:00

21:00 onwards

Coffee & Poster Session 1

Fundación CIM visit

Welcome Cocktail at Fundación CIM