

PROGRAMME

Thursday, 7th June 2012

9:45h Arrival of the participants and Registration

Opening Sessions

- 10h Welcome and introduction to CIMNE. Pere Andreu Ubach, Deputy Director of CIMNE
Introductory presentation to "Fabricació a Europa i Regions" Oscar Fruitos (CIMNE), Joaquim Minguella (XaRTAP)
- 10:15h The Catalan model for Research and innovation, (TBA) (DGR)
- 10:45h CITA-UB: A model of University Technology Transfer. Isaac Esparbé (Fundació Bosch i Gimpera)
- 11:10h International funding schemes for Manufacturing sectors, Marta Martínez (XaRTAP)

**11:30h Coffee break (Espai de trobada)
Parallel Exhibition 'La Història del Prototipatge'
(Central Hall 3rd floor)**

Manufacturing Science and Technologies – Session I: Machining and Complementary Processes

- 11:50h A Robust Multi-Objective Optimization Platform with application on a Stamping Process, Hector Espinoza (CIMNE)
- 12:10h Methods for the study of the transmission of variability in multi-phase processes, Fernando Romero and José A. Heredia (UJI)
- 12:30h High performance manufacturing, José Antonio Sánchez (EHU)
- 12:50h Experiences and Future developments in Advanced Technical Ceramics Machining, Roger Uceda (FCIM)

13:10h Lunch Restaurant Campus

Manufacturing Science and Technologies – Session II: Forming and Special processes

- 15:00h Pre-painted metal sheet forming processes simulation, Emilio Royo (UniZar)

- 15:20h Experimental investigation of droplet-gas interaction during GMAW process, Cyril Bordreuil and Denis Cervellin (UM2)
- 15:40h Simulation techniques for Metal-forming processes, Albert Forgàs (QUANTECH ATZ)
- 16:00h Advanced processing technologies at CCP, David Arencón (CCP)
- 16:20h Experimental measurements and numerical analysis of roll-forming residual stresses in a pallet rack upright, Francesc Roure (REMM)
- 16:40h Influence of radial depth of cut and feed per tooth on surface roughness and machining time in ball-end milling processes, Irene Buj (DEM)

**17:00h Coffee break (Espai de trobada)
Parallel Exhibition 'La Història del Prototipatge'
(Central Hall 3rd floor)**

Proposals preparation workshop I

- 17:30-18:30h Proposals preparation workshop in thematic tables

**20:30h Dinner – Restaurant 'Los Personajes'
Address: Passeig Marítim Av., 133 - Castelldefels,
Telephone (+34) 936 641 100**

Friday, 8th de June 2012

9:00h Arrival of the participants and Registration

Manufacturing Science and Technologies – Session III: Materials and Applications

- 9:20h Electromagnetic Applications to Forming Processes and Industrial heating, Oscar Fruitos (CIMNE)
- 9:40h Development of materials for additive manufacturing, Salvador Borrós (IQS)
- 10:00h Simulation techniques for Composite Materials, Fernando Rastellini (QUANTECH ATZ)
- 10:20h Thermal spray coatings: a powerful tool of modern surface engineering for protection,

- 10:40h functionalization and surface modification, Simona Iliescu (CPT)
IMS and TC: a successful machinery and know-how transfer to a chinese company, Andrés Ferriz (EDILAMBERT S.A.)

**11:00h Coffee break (Espai de trobada)
Parallel Exhibition 'La Història del Prototipatge'
(Central Hall 3rd floor)**

Manufacturing Science and Technologies – Session IV: Special processes and Applications

- 11:30h High value added functional surface modification by laser processing, Aitzol Lamikiz (EHU)
- 11:50h Composites manufacturing engineering possibilities for light weight mobility solutions, Felip Fenollosa (FCIM)
- 12:10h Smart Manufacturing: Efficient energy management in Ceramics Manufacturing, José Antonio Heredia (UJI)

Proposals preparation workshop II

- 12:30h Proposals preparation workshop in thematic tables
- 13:30h Conclusions and Closure of the 2nd Symposium, Oscar Fruitos (CIMNE), Joaquim Minguella

REGISTRATION

Registration to the event is available via 'FER' Website.

Please refer to the address below and fill the due forms:

<http://tts.cimne.com/fer/Registre.aspx>

ORGANISING COMITEE

Óscar Fruitós, CIMNE
Francesc Roure, REMM
Salvador Borrós, IQS
Felip Fenollosa, FCIM
Isaac Esparbé, Fundació Bosch i Gimpera
Joaquim Minguella, XaRTAP

INFORMATION

Updated information on 'FER' action can be find on-line at:
<http://tts.cimne.com/fer/Home.aspx>

MANUFACTURING IN EUROPE AND REGIONS OF INTEREST

In January 2010 took place the launch of a specific action dedicated to promoting and fostering Training, Research and Innovation Manufacturing-related activities in the frame of Pyrenees and Mediterranean coastal EuroRegion. The collaborative work made possible to hold a first edition of a Manufacturing Symposium in Montpellier in April 2010; which set the foundations for a network of manufacturing actors.

Two years later, thanks to the support of AGAUR and Generalitat the Catalunya, the working group is enlarged with representatives of new regions and the actors joined in the second Symposium edition in Castelldefels, Catalonia.

SYMPOSIUM VENUE

Centre Internacional de Mètodes Numèrics en Enginyeria
Edifici CIMNE –

Campus de Castelldefels
Av. del Canal Olímpic, s/n
08860 Castelldefels
SPAIN



FABRICACIÓ A EUROPA I REGIONS D'INTERÉS



MANUFACTURING IN EUROPE AND REGIONS OF INTEREST

2nd Symposium For Manufacturing In The Euroregion,
7 - 8 June 2012
Castelldefels - Catalonia

SUPPORTED BY

