

# FP7 Information Days for Transport

Brokerage Events  
18-19 July 2011



# ASCAMM Technology Center

Mr. Angel Lagraña – Business Development Manager

Transport

Barcelona (Spain) 

International Department with 10 year of experience

Framework Programmes:

- 25 FP Projects (16 FP6 & 9 FP7)
- 5 coordinated by F.Ascamm
- 6 Cleansky Projects won.
- Over 100 spanish companies have been involved
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**FLEXFORM**



**made4u**

Production  
**4μ**



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## Composites Material and Processes

- Thermoset resins, Fiber glass, Carbon Fiber...(Cyanate, BMI...
- Thermoplastic resins, Fiber glass, Carbon fiber...(PEEK, PPS, PP..., BLENDS
- Thermoplastic processes (PULTRUSION, THERMOFORMING, RESIN INJECTION)
- Thermoset processes (RTM, ROLL/PULTRUSION, LCM, HOT DRAPE FORMING, THERMOFORMING)
- Process automation by advanced robotics

## Main lines of interest



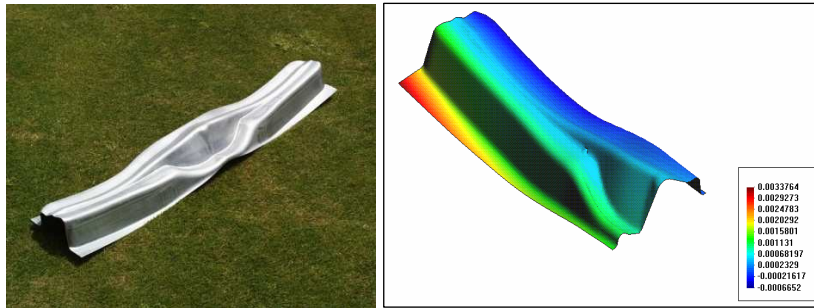
- Pulltruded beams for structural applications
- High temperature resins composites
- Composites for structural applications
- Biocomposites/Nanocomposites/New resins
- Moulds design and manufacturing
- Process instrumentation
- Health monitoring
- Automation in manufacturing and finishing
- Automation of NDT

# ASCAMM Technology Center **ETNA**

NATIONAL CONTACT POINTS FOR TRANSPORT

## Metallic Material and Processes

- Nickel Alloys, Titanium Alloys, High Strength Steel, Aluminum Alloys
- Processes: Incremental sheet forming, shear forming, contoured rolled ring, machining, milling, welding



## Main lines of interest

- Flexible Metal Sheet Forming technologies
- High temperature, corrosion resistant products
- Rotating components desing
- Instrumentation for health monitoring
- Near-net shape products
- Automation in NDT inspection
- Design and simulation of rotating parts
- Advanced machining and part finishing



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## TRANSPORT

Optimization of: vehicles behavior, transport networks and service quality.

- Intelligent Interior for Public Transportation.
- Warning Intelligent Management.
- Electric Energy Intelligent Management.
- Electric Vehicle:
  - AI in embeded devices for BMS y EMS
  - Integracion V2G y V2V
- Holystic Modelization of Mobility Systems:
  - Multimodal Mobility Systems  
Simulation; interaction with electric network.
  - Sensoring, Data Mining in Mobility.
- Battery testing Lab

## ENERGY

Distributed Energy Management to maximize efficiency

- Integration of Embeded Smart Devices targeted to:
  - Development of Network intelligent components to give support to the operation.
  - Micronetworks Build up.
  - Active Management of Demand
  - Distributed Generation Management.
  - Optimization of Energy Consumption.

**PROUD MEMBER OF  
RAILWAYS CLUSTER**



# ASCAMM Technology Center

Interests for participating in following topics:

**SST.2013.1-1.** *Railway infrastructure optimisation and monitoring for further noise reduction*

**SST.2013.1-3.** *ERA-NET Plus 'Advanced systems, materials and techniques for next generation infrastructure'*

**SST.2013.2-2.** *New concepts for railway infrastructure and operation: adaptable, automated, resilient and high-capacity*

**SST.2013.3-1.** *Managing integrated multimodal urban transport network*

**SST.2013.3-2.** *Implementing innovative and green urban transport solutions in Europe and beyond*

**SST.2013.5-1.** *Technical requirements for the certification of new materials for railway rolling stock*

**SST.2013.5-2.** *Low cost flexible automation and mechanisation in small to medium shipyards*

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Interests for participating in following topics:

## THE 'EUROPEAN GREEN CARS INITIATIVE'

**GC.SST.2013-1.** *Feasibility analysis and technological development of on-road charging for long term electric vehicle range extension*

**GC.SST.2013-2.** *Next generation electric motors*

**GC.SST.2013-3.** *Future light urban electric vehicles*

**GC.SST.2013-4.** *Demonstration of electric buses as urban public transport*

**GC.SST.2013-5.** *Configurable and adaptable truck*

**GC.SST.2013-6.** *High efficiency energy conversion for future heavy duty transport*

**GC.SST.2013-7.** *Technical and operational connectivity in intermodal freight transport*

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