



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 in
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



HIPER MOULDING



made4u

4μ Production



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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



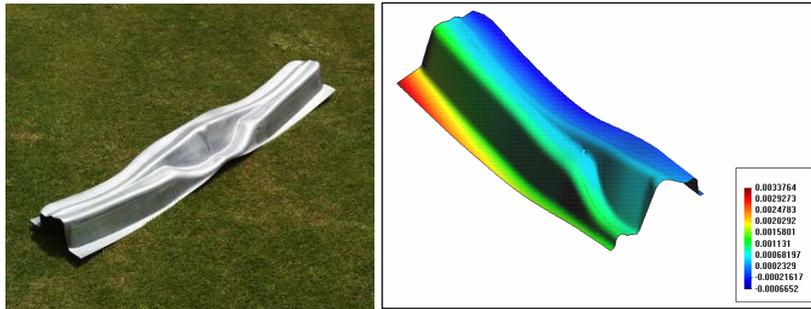
- Pultruded beams for structural applications
- High temperature resins composites
- Composites for structural applications
- Biocomposites/Nanocomposites/New resins
- Moulds design and manufacturing
- Process instrumentation
- Health monitoring
- Automation in manufacturing and finishing
- Automation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

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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



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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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