

ADVANCED MULTIMATERIAL STRUCTURES IN THE AUTOMOTIVE INDUSTRY 2016

Lightweight, safety & competitiveness



8th November 2016 - Bilbao

Organized by:



Partner:



The automotive industry is investing heavily on manufacturing cleaner vehicles, which entails lighter cars, but without compromising on safety. Vehicle manufacturers are responding to the challenge by following a multimaterial strategy. The conference aims to depict this strategy by focusing on state-of-the-art multimaterial concepts, car body lightweight design, new steels, aluminium alloys and composites in automotive structures and joining technologies.

To provide a hands-on experience of the discussed topics, **a fully disassembled BMW 7 series** will be on display at the event premises, one of the most recent examples of applied multimaterial solutions on the market. Technical presentations on the singularities of this model will complement the exhibition. _



09:00 Registration

09:20 Welcome

09:30 Strategy & Market

Lightweight Strategies in the Automotive Sector

AIC-Automotive Intelligence Center / Mikel Lorente / *Technical Manager*

New materials at Fiat Chrysler Automobiles: Future scenario for automotive structures

FCA Global Materials Laboratories / Daniele Pullini / *CRF - Strategic Research Manager*

BEst in class vehicle (BEHICLE): Safe urban mobility in a sustainable transport value-chain

TRL / Mervyn Edwards / *Head of Structural Crashworthiness*

Gaining Value through Automotive Benchmarking

A2Mac1 - Automotive Benchmarking / Antoine Baudoux / *European Sales Engineer*

Q&A

11:00 Coffee break

Manufacturing Technologies

11:30 Composites & Hybrid Components

Automotive seat structure materials: State of the art and near future

Grupo Antolín / Pedro Feijoo Machado / *Seat Development Engineer*

Flexible automation as a key enabling technology to produce multimaterial structural parts

Fill / Harald Sehrs Schön / *Team Manager Product Development*

Technology Solutions for Lightweight Composites

Engel / Peter Egger / *Director of Center for Lightweight Composites Technologies*

Lightweighting technologies / Sheet metal forming, composite technologies and hybridization

Mondragon Unibertsitatea / Lander Galdos / *Advanced Metal Forming research group coordinator*

Jon Aurrekoetxea / *Polymer and Composites Technology research group coordinator*

Q&A

13:00 Technical Presentations BMW 7 - Lunch

14:30 Lightweight Metallic Alloys

BiW weight saving for CO₂ reduction: Multimaterial technology roadmap

Gestamp / Juanjo Matarranz / *Gestamp R&D BiW Lightweight Competence Manager*

New manufacturing routes for high strength aluminium components

Tecnalia Automotive Area / Leire Vadillo / *Market Director - Automotive Area*

Trends in lightweighting inner substructures by using AHSS

Faurecia Automotive Seating / Jérôme Chottin / *Manager of Material Department*

Q&A

15:40 Joining Technologies

Joining by Plastic Deformation / Overview of the DFG (German Research Foundation) priority program 1640

Technical University of Munich / Maria Hiller / *Research assistant / Chair of Metal Forming and Casting / Department of Mechanical Engineering*

16:10 Q&A and closing remarks

AIC-Automotive Intelligence Center

AIC is a European open innovation center based in Bilbao, designed to provide high added value for the automotive industry at a global level, integrating knowledge, technology and industrial development. Following its profound market orientation, AIC identifies and promotes innovative cooperation projects that help the entire value chain reduce time to market while minimizing efforts and risks. www.aicenter.eu

Tecnalia

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Mondragon Unibertsitatea

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A2Mac1

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A2Mac1 has established an elite position in the automotive industry through its expertise in the areas of benchmarking and related software. www.a2mac1.com



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Registration and information:

www.aicenter.eu 

Registration fee: 350€ VAT inc.

Limited seating capacity

