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EXPERT FORUM

MATERIALS AND TECHNOLOGIES FOR FUTURE MOBILITY

5-6 September 2017 in Metz, France

For registration, please visit: www.matchmobility.eu

CO-ORGANISED WITH



EIT RawMaterials is supported by the EIT,
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Day 1: Tuesday, 5 September 2017

09:00 Welcome by Metz Métropole
Introduction by EIT RawMaterials, Didier Zimmermann

Mobility of the Future

09:15 Material challenges in designing the car of the future
David Louis, PSA

09:45 Advanced materials, technology development and applications to meet the future grand challenges in the automotive
Daniele Pullini, Fiat Research Center

10:15 Aluminum and additive manufacturing – key enablers
Pierre Alvarez, Zodiac Aerospace

10:45 Lightweighting in mobility through the scarcity of materials
Francois Tardif - CEA

Podium discussion

Initiatives and strategies on national and international level

11:15 EIT RawMaterials lighthouse and strategy on New Mobility;
Networks of infrastructure – Be-eP! (U-Ghent, Mondragon, Fraunhofer)
Fabio Pegorin, Ghent University

11:30 Research opportunities of the MetLight network with the exemplary focus on magnesium for automotive applications
Franz Berge, TU Freiberg

11:45 Synergies and cooperations for sustainability across value chains
Tanja Flügel, Bayern Innovativ

12:00 Light weighting of metals by metallurgical means
Laszlo Toth – Labex DAMAS

12:15 Embracing Italian Innovation in Transport
Enrico Pisino, National Technology Cluster "Transport Italy 2020"

12:30 Discussion

13:00 Lunch break

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MATERIALS AND TECHNOLOGIES FOR FUTURE MOBILITY

Materials Innovation

14:00 Lightweight recyclable automotive thermoplastic composite structural parts for large series production; a concrete example from the "RACE-TP" project
Jacques Komornicki, Arkema

14:15 Low cost carbon fiber, thermoplastics or recycled composites?
Christophe Magro, CANOE; Gael Lavaud, Gazelle Tech

14:30 CAPROCAST: Thermoplastic RTM for lightweight automotive applications
Sonia Garcia Arrieta, Tecnalia

14:45 MadFlex. double-face panel for light and dynamic high-performance mobility solutions
Eugenio Fossat, Composite Research

15:00 Thermoplastic composite linen / PLA
Denis Virot, DEPESTELE – France (Biosourced Fibers) tbc

15:15 New mechanical solutions for the assembly of multi-materials
Philippe Mangin, IRT-M2P

15:30 High performance metal materials and related joining technologies for lightweight structures
Giuseppe Barbieri, ENEA

15:45 Coffee break

16:00 Iron casting for lightweight: austempering ductile iron
Enrico Veneri, Zanardi Fonderie

16:15 Aluminum as a key material for lightweight mobility
Ravi Shahani, Constellium Technology Center

16:30 High Strength Steel
Michael Babbitt, Arcelor Mittal

16:45 Podium discussion

17:00 End of the meeting

18:00 Optional: Visit of Arkema facilities

20:00 Dinner

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Day 2: Wednesday, 6 September 2017

08:45 Welcome

Lifelong Learning / Certification

09:00 Workforce qualification as a functional instrument for modern technology transfer
Beate Brede/Andreas Gross, Fraunhofer IFAM

09:20 Katharina Lechler – Carbon Composites e.V. (tbc)

Added Value Manufacturing

09:40 One-shot process for visible thermoplastic composite parts: last developments
Marie-Pierre Buron, FLEX N GATE France / USA (Tiers 1 Automotive)

10:00 UV LED Photocomposites - New chemistry and rapid manufacturing process
Pr Xavier Allonas, University Haute Alsace (UHA) – LPIM laboratory

10:20 Additive Manufacturing of Metals - Future Challenges Toward Industrial Applications
Elena López, AGENT-3D-e.V.; Fraunhofer IWS

10:40 Recent trends on alloys for metal additive manufacturing
Maurizio Vedani, Politecnico Milano

Recycling and Life Cycle Assessment – Impact

11:00 Recycled composite materials for automotive field
Alessandra Passaro, CETMA

11:20 Recycling and Life Cycle Assessment for automotive sector
Philippe Russo, ArcelorMittal

11:40 Semi solid process for recycling Aluminium for automotive sector
Fabrizio D'Errico, Innisight

12:00 New Recycling Technologies Carbon Fibres
Frédéric Goettmann, Extractive – tbc

12:20 Podium discussion, Closing Remarks

13:00 Lunch break

14:00 End of the meeting

Organised by EIT RawMaterials e.V., executed by EIT RawMaterials CLC Central