THURSDAY 19 SEPTEMBER

08.00
Registration

09.00
1 Parallel Sessions

Room 1
BIOBASED MATERIALS AND RECYCLING

Session chair: Jeremie Clevizon, Science littoral, France

• Challenges and opportunities of compositional lightweight recycled composites.
  Presented by Lorenzo Zanotti, ABB, Italy

• Determination of interfacial friction toughness of sisal/epoxy reinforced composites.
  Presented by Romain Tavernier, ICGM, Germany

• Fatigue-resistant and lightweight FRP composites.
  Presented by Jerome Claverie, Sherbrooke University, Canada

• Fatigue life of recycled glass fiber reinforced composites.
  Presented by Sarianna Palola, Tampere University, Finland

09.40
Coffee Break

11.10
Room 1
BIOINDUSTRY AND RECYCLING

Session chair: Christien Kneus, Lucerne University, Switzerland

• Automation of 4R of WEEE Streams: Structure using Polymer Foams for Smart Bio-Composites.
  Presented by Alexander Roth, Evonik, Germany

• Machine learning for CPD quality.
  Presented by S. Zanaboni, Zlab, Switzerland

• ‘LeraRM™ Manufacturing Support for the Composites Industry by Convey, University of Bristol, UK.
  Presented by Nige Bebey, LeraRM™, France

• Digital manufacturing: testing and a safety show car from recycled glass fibre polyester process by ten Bruggencate, TML, NL.

12.30
Lunch - Exhibition & Poster Presentations

13.40
Room 1
AUTOMOTIVE MATERIALS AND PROCESSING

Session chair: Tetsuo Ishihara, Toyota Motor Europe, Belgium

• Development of thermoplastic composites for lightweight and high-performance structures: RTM of car body for electric vehicles.
  Presented by Hidetoshi Aoki, Toyota, Japan

• Pushing the boundaries of carbon fiber sheet moulding compounds: Application to thick components for the automotive industry.
  Presented by Luca Michele Martulli, University of Limerick, Ireland

• Material and process development of pultrusion based sheet moulding compound by Logesh Shanmugam, Fraunhofer ICT, Germany

• Process induration for high volume composite moulding by Ralf Brüll, RWTH Aachen, Germany

15.00
Coffee Break

15.40
Room 4
AEROSPACE MATERIALS AND PROCESSES

Session chair: Henri Cramail, LCPO, France

• Evolution of composite aircraft structures.
  Presented by Alexander Roth, Evonik, Germany

• Processing of PAEK UD tapes for high performance/high rate processing.
  Presented by Daisuke Ohsawa, Airbus, Japan

• Robot-based Continuous Ultrasonic Welding of Composite Structures by Michael Endrass, DLR, Germany

• Process integration for the production of a composite rear wing by Alfonso Maffezzoli, Group, Luxemburg

• Manufacturing Process Simulation for the Design of Composite Structures.
  Presented by Jens Jürg Simon, Airbus, Belgium

16.30
Coffee Break

17.00
Room 4
AEROSPACE MATERIALS AND PROCESSES

Session chair: Hans Jürg Simon, Airbus, Belgium

• Induction Welding of Carbon Fiber Reinforced Polycarbonate for Marine Applications.
  Presented by Cyril Collart, Airbus, Belgium

• Consolidation sensor for challenging applications.
  Presented by Hans Jürg Gysin, Airbus, France

• Development of a High Performance Composite Layups for Marine Applications.
  Presented by Christophe Roua, COGIT COMPOSITES, France

18.00
Press Conference

19.00

20.30
Reception

21.30
Closing