**Programme SAMPE Europe Conference 15 Amiens**

**WEDNESDAY 16 SEPTEMBER**

**09.00 - 10.25 Opening Session - Auditorium**
- **Welcome by Pierre Magnin, President SAMPE France**
- **Opening by Arnt R. Offringa M.sc., President SAMPE Europe**

**10.25 - 11.00 Coffee break**

**11.00 - 11.25 Session room 1 - Automation**
- **Alain Trapani & Michael Kölln, CIRA**
  - Automated Performing of Current Thermoplastic Organic Sheets.

**11.25 - 11.50 Session room 2 - New Materials & Hybrids**
- **Michael Clevenger, Fanuc**
  - Metal/organic as active slurry encasing for UPV and Yang (Nanotech Materials) "Degassing in Thermoplastic - the topic new"

**11.50 - 12.15 Session room 3 - New Ablative composite materials based on mesoporous silica nanoparticles.**
- **Kalle Kind, TU Munich**

**12.15 - 12.40**
- **Fanran Meng, University of Nottingham**
  - Method for the production of braided CFRP bicycle rims.
- **Plata Fanran Meng, University of Nottingham**
  - Simplified process chain.

**12.40 - 13.05**
- **Philipp Buschhaus, TU Munich**
- **Thomas Bischoff, Groz-Beckert KG**
  - The recycling of aluminium from aerospace and transportation applications.

**13.05 - 14.00 Lunch**

**14.00 - 14.25 Session room 1 - Aerospace/Structures**
- **Lee Mykyt, Adherent Structures**
  - Display of current metal laminates for high volume production.

**14.25 - 14.50 Session room 2 - Advanced Processes**
- **Clemens Buschfuhl, Fraunhofer Institute for Production Technology**
  - Characterization of thermoplastic/thermoplastic combinations - Functional application for joining.

**14.50 - 15.15 Session room 3 - New ablative composite materials based on mesoporous silica nanoparticles.**
- **Oliver McGregor, University of Nottingham**
  - Future of composite fuel pipes.
- **Marcuss Mehdi Mohseni, Islamic Azad University, Iran**
  - Stress analysis of tubular bonded joints under torsion and hygrothermal effects using X-FEM.

**15.15 - 15.40**
- **François Cenac, JOIN Technology**
  - 3D printed thin-walled solutions for high strength fiber reinforced composites.
- **Shaoxiong Liang, Mines Douai**
  - Damage in drop-weight impact and indentation testing for composite materials using X-ray Computed Tomography.

**15.40 - 16.00 Tea Break**

**16.00 - 16.30 Session room 1 - Aerospace/Structures**
- **Loic LeLay, Stelia Aerospace**
  - Full Composite Front Axle - The Full Composite Front Axle.

**16.30 - 17.00 Session room 2 - Advanced Processes**
- **Philipp Buschhaus, Fraunhofer Institute for Production Technology**
  - Defect characterisation and selective stitch removal in non-crimp fabrics.

**17.00 - 17.40 Session room 3 - New Ablative composite materials based on mesoporous silica nanoparticles.**
- **Alfons Schuster & Michael Kühnel, DLR**
  - Design of low-cost self heating moulds for structural composite material parts.
- **Oliver McGregor, University of Nottingham**
  - Novel approach for fatigue life prediction of composite materials using kinematic damage potential.

**17.40 - 18.00 Dinner night**

Transfer by bus to Hotel Mercure Amiens Cathedrale

At the Stelia Plant the production and assembly of both aluminium and composite parts for fuselage sections and A350 cockpits will be shown. A round tour in this 20.000 m² production hall with 7 stops for instruction will give you a complete overview.

IndustryLab, the new R&D Center opposite the Stelia plant in Mauves is an absolutely exciting experience. Virtual Reality Rooms, a Training station and Robotics for future products are the main topics to be shown.

Claude Gewer - Président du C.I.R. Picardie
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