TUESDAY 17 SEPTEMBER

10.30 Welcome Cocktail & Pre-Registration

14.00 Plenary Opening

Welcome by Philippe Briant
Chairman of SAMPE France

Opening by Christian Keun
President of SAMPE Europe

3 Key-note Speakers

Francois Paynot
Plant Manager Airbus Nantes

Cyrille Collart
Industrial Technologies R&T, Airbus Toulouse

Romain Bigot
R&T engineer, Carbofan/Multiplast

11.00 Coffee Break

MECHANICAL SIMULATION

• Development, self-healing syntactic epoxy foam under cyclic quasi-static compressive loading by Mark Coats, University of Bath, UK

• Experimental and numerical simulation of the detailed mechanical response of Waffel® composite foam structures by Chris Hunt, Benjamin K. Woods, UK

• Novel Tendon Termination method for automated suspension in open-mould composite structures by Therese Gerson, University of Bristol, UK

• Automatic fiber tracking and automated detection of five fiber composite micrographs by Erik Kramer, TPE, NL

• Simulation of crush of composite joints by Christophe Roua, COGIT

INDUSTRIAL INNOVATION

• Torsion and strength investigation on reactive and non-reactive binder systems by Florian Hebert; University of Stuttgart, Germany

• Autonomous Composite Production by Robert Fick & Place by Alex Schauer, DLR, Germany

• Towards a fully automated process for the lay-up of large carbon fibre skin parts using couplant coatings by Dominik Stein; DLR, Germany

• Water Soluble Molds for a Low Cost Application in Manufacturing of BMW, Fraunhofer IFAM, Germany

• In-mold coating via transfer tool for fiber reinforced thermoplastics by Joachim Scheller, Fraunhofer IKAV, Germany

• Automated application of novel resin foam on a basic mechanical system by a robotic solution by Jan Faber, DLR, Germany

• Fusible with RTM makes prefabricating dry fibre placement more economical and avoids influence of additional external material by Simon Dutts, DLR, Germany

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THERMOPLASTIC COMPOSITE PROCESSES

• Performance evaluation of carbon fibre reinforced RTM taps prepared by powder impregnation and wet impregnation by Franne Qin; Airbuspace, China

• Optimization of split-thermoplastic Automated Fiber Placement process by Patrik Dahl, DLR, Germany

• Automated Fiber Placement process parameters through End-By-End Order DLR, Germany

• A modular concept for thermoplastic composite pressure vessels by Erik Del; TU Darmstadt, Germany

• Development of a hybrid yarn and jacketing system for improved consolidation and efficient production of thermoplastic matrix composites by Javier Ortega, RWTH Aachen, Germany

• Investigation of a new characterization technique for anisotropic composites with a T-RTM process by Rainer Wendel, Fraunhofer ICT, Germany

• Characterisation of the wave loads applied on the joint by Jean-Michel, Bonny, France

• Numerical study on anchor bolts for load introduction into cross-sectional areas of fibre reinforced polymer composites by Ink Kien, TU Dortmund, Germany

• Bose’s Approach for A Tailor-Made Post Bonding Curing Process by Laurent Celeux, RUM, Switzerland

• Adaptive Healing Solutions to face Contemporary Challenges in Aircraft Composite Repair by Dr. Geoge Alexandre, ERA Aero, France

• Certification and requirements from the Aviation Authorities by Chantal FUALDES - Airbus Composite Airframe Executive Expert

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11.00 Coffee Break

13.00 Lunch

14.00 Winners 34th Students Seminar

14.30 4 Parallel Sessions

Room 1

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14.00 Welcome Cocktail & Pre-Registration

14.30 6 Composite related Plant visits:

• AIRBUS Site de Nantes

• AIRBUS Technocentre, CETM & RT Jules Verne - Nantes

• AIRBUS Site de St Nazaire

• MULTIPLAST - Vannes

• BENETEAU - La Roche sur Yon

• GUEZ-SERRANO - Airbus APTL Repair

17.00 Welcome Cocktail & Pre-Registration

20.00 - 22.30 Cocktail & Conference Dinner

NANTILUS – Loire

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Opening by Christian Keun
President of SAMPE Europe

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