



ICC2023

INTERNATIONAL CONFERENCE OF COMPOSITES

SEPTEMBER 20 & 21, 2023 | LIÈGE, BELGIUM

SUSTAINABLE AND PERFORMANT COMPOSITE MATERIALS

The third edition of the International Conference on Composites will focus on bio-based composites and on the reuse and recycling of composite materials.

With a programme ranging “from revolutionary ideas to pragmatic applications”, speakers from research institutes, universities and high-tech companies across Europe will capture your attention as they present the latest research into the more sustainable use of advanced materials.

20 SEPTEMBER 2023

MORNING SESSION

- A** **9.00** **REGISTRATION**
- 9.30** **WELCOME AND INTRODUCTION**
- G** **9.35** **REUSE OF WINDMILL BLADES IN ARCHITECTURE**
- Ina-Marie Orawiec - OX2ARCHITEKTEN, Germany
- E** **10.00** **STRUCTURAL REUSE OF THERMOSET COMPOSITES**
- Dr. Ir. Albert ten Busschen - Windesheim University of Applied Sciences, Netherlands
- N** **10.25** **HOLISTIC PROCESSES FOR THE COST-EFFECTIVE AND SUSTAINABLE
MANAGEMENT OF END-OF-LIFE AIRCRAFT COMPOSITE STRUCTURES**
- Elke Demeyer - Centexbel, Belgium
- D**
- A** **10.45** **COFFEE BREAK**

Sponsored by



11.00 THERMOCOMPRESSED AND INJECTED BIOCOMPOSITES FOR AUTOMOTIVE APPLICATIONS

Sofia Silva - CeNTI Centre for Nanotechnology and Smart Materials, Portugal

11.25 INVESTIGATION OF THE INTERACTIONS IN THE IMPREGNATION PROCESS OF NATURAL FIBRE SEMI-FINISHED PRODUCTS

Lars Wollert - Institut für Textiltechnik of RWTH Aachen University ITA, Germany

11.50 BIOBASED GLASS FIBRE SIZINGS FOR DEGRADABLE COMPOSITES IN MEDICAL AND TECHNICAL APPLICATIONS

Rudi Reichenbächer - Leibnitz Institut für Polymerforschung IPF, Germany

12.15 NETWORKING LUNCH

20 SEPTEMBER 2023

AFTERNOON SESSION

13.15 PITCH SESSION: POSTERS

13.45 PITCH SESSION: COMPANIES

14.15 TESTING COMPOSITES CURING KINETICS - MECHANICAL BEHAVIOR UNDER DIFFERENT CONDITIONS, MATRIX DEVELOPMENT SUPPORT, FIBRE-TO-MATRIX ADHESION

Maarten Debrouwere - Benelux Scientific, Belgium

14.40 SQRTM PROCESS: AN INNOVATIVE OUT OF AUTOCLAVE COMPOSITE MANUFACTURING PROCESS TO ENHANCED CFRP VERSATILITY, QUALITY AND FUNCTIONALITY

Alain Leroy - COEXPAIR, Belgium

15.05 COFFEE BREAK

15.15 AN EXPERIMENTAL INVESTIGATION OF STATIC AND DYNAMIC MECHANICAL PROPERTIES OF DIFFERENT PLY ORIENTATIONS OF CARBON FIBRE REINFORCED COMPOSITES UNDER ELEVATED SERVICE TEMPERATURES

Fetiye Esin YAKIN - KordSA, Turkey

15.40 FLAME AND AGEING RESISTANT BIOCOMPOSITES

Marc VANHOOMISSEN - VERAMTEX, Belgium

16.05 FIBRE SIZINGS FOR IMPROVED MECHANICAL PERFORMANCE OF GLASS AND CARBON FIBRES, YARNS AND COMPOSITES

Christina Scheffler - Leibnitz Institut für Polymerforschung IPF, Germany

16.30 END OF THE FIRST CONFERENCE DAY

21 SEPTEMBER 2023

MORNING SESSION

9.30 NATURAL AND BIO-BASED COMINGLED YARNS AS INTERMEDIATE SOLUTIONS FOR COMPOSITE MATERIALS

Cristina Oliveira - CITEVE, Portugal

9.55 SUSTAINABLE STRUCTURAL SANDWICHES AND HOLLOW COMPOSITES PARTS

Frederic Goethals - Centexbel, Belgium

10.20 SUSTAINABLE SELF-CHARGING POWER SYSTEMS DEVELOPED BY INKJET PRINTING

Gertrude Kignelman - Centexbel, Belgium

10.45 COFFEE BREAK

11.00 INTERPHASE MODIFICATION BY SIZINGS IN GLASS FIBRE/EPOXY COMPOSITES

Andrea Bercini Martins - Leibnitz Institut für Polymerforschung IPF, Germany

11.25 TOWARDS A MORE SUSTAINABLE FUTURE ADVANCED MINERAL REINFORCEMENT

Bernard Voss - ISOMATEX, Belgium

11.50 MODELLING THE BRAIDING PROCESS AND BRAID-REINFORCED COMPOSITE MATERIALS

Michael Bruyneel - GDTECH, Belgium

12.00 NETWORKING LUNCH & END OF THE CONFERENCE

Sponsored by



ORGANISED BY CENTEXBEL - Bernard Paquet - bp@centexbel.be

VENUE Hotel Park Inn by Radisson Liege Airport (Rue de l'Aéroport 14, 4460 Grâce-Hollogne)

MORE INFORMATION & REGISTRATION www.centexbel.be/agenda/3rd-international-conference-composites