

International Online-Event “Sustainable Composites Conference - SCC”

Thursday, 10th November 2022, virtual MixUp-World

Today’s oil-based composite materials provide a significant contribution to advanced lightweight design solutions for a reduction of required resources and emitted CO₂ amounts. Efficient recycling of these materials is a key to maximize their benefit in this sense.

However, today’s recycling processes are associated with a certain fiber length degradation, so another major emphasis besides recycling has to be put on the development of new virgin sustainable composite materials with endless-fiber properties. The goal must be to move away from crude oil as source, not only for sustainability reasons, but also for reasons of the current political situation as well as material independence for Europe.

In this sense, the Sustainable Composites Conference (SCC) is meant to be a platform for novel composite materials based on renewable resources as well as negative emission technologies/materials in order to present innovations in this field and jointly advance the topic together as fiber composite industry.

The event will take place in the virtual MixUp-World, an animated 3D environment imitating a real trade fair. Visitors walk around with a virtual avatar and can interact, visit booths or follow the presentations on a moderated center stage. Exhibitors can book a booth and present their own technologies & solutions to the visitors.

Prices for participation:

CU Members	0 Euro
Members of partner organizations:	90 Euro
Non-members:	290 Euro
Exhibitor, small (1 visitor ticket incl.):	
CU members	90 Euro
Members of partner organizations:	190 Euro
Non-members:	490 Euro
Exhibitor, large (2 visitor tickets incl.):	
CU members	190 Euro
Members of partner organizations:	390 Euro
Non-members:	890 Euro

Partner organizations










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Agenda	Preliminary Program - 1st half
8:30	Login
8:50	Welcome and introduction
9:00	Keynote - Biocomposites: the past, present and future Barbara GÜTTLER, Leibniz-Institut für Verbundwerkstoffe GmbH, Germany
9:30	Industrial production of sustainable mycelium composites Simon ZEIDLER, Florian DENK, wbk Institute of Production Science, Germany
9:50	Biobased high performing fibres for advanced lightweight materials Anna WIBERG, CelluXtreme, Sweden
10:10	Coffee break, 20 mins
10:30	Keynote - Future Sources of Biobased Materials in Composites Stefan SCHLICHTER, Institute for Textile Technologies Augsburg gGmbH, Germany
11:00	3D formable, resource efficient, fire retardant, lightweight, high-performance composites based on wood Anna SANDINGE, Maxime NOËL, RISE Research Institutes of Sweden
11:20	Natural fibre composites for automotive: lightweighting and recycling with ampliTex™ and powerRibs™ Régis VOILLAT, Bcomp Ltd., Switzerland
11:40	Development of evaluation technology for recycled carbon fiber Yoshiki SUGIMOTO, National Institute of Advanced Industrial Science and Technology, Japan
11:50	Thermoplastic compression molding opens up possibilities for the efficient use of inhomogeneous, coarse and mixed sorts of plastic recyclates Lian GIGER, CrossTEQ AG, Switzerland
12:00	New Carbon Fiber Development for the Future in Japan Toshihira IRISAWA, Gifu University/Gu composite Center, Japan
12:10	Lunch break and networking, 110 mins

Agenda Preliminary Program - 2nd half

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| 14:00 | Keynote - Sustainable Composites - Opportunities, Challenges, Further Aspects
Andrea HOHMANN, Kerstin ANGERER, Fraunhofer Institute for Casting, Composite and Processing Technology IGCV, Germany |
| 14:30 | tba
Christopher GRADEL, Schill + Seilacher Struktol GmbH, Germany |
| 14:50 | Decision-support systems for sustainability of composite structure in SAUBER4.0
Ali AL-LAMI, Department of Composite Technology, Institute of Composite Structures and Adaptive Systems
Tobias REINCKE, Composite Technology Center / CTC GmbH (An Airbus Company), Germany |
| 15:10 | EcoFloor – Developing a concept to a more sustainable way to fly
Rebecca EMMERICH, Institute for Textile Technology (ITA) of RWTH Aachen University, Germany |
| 15:20 | Composite AM: Reshaping the Advanced Composites Landscape
Yannick WILLEMIN, 9T Labs, Switzerland |
| 15:30 | Thermoplastic welding of fibre-reinforced thermoset composites: potential towards more sustainable joining technologies
Christian BRAUNER, University of Applied Sciences Northwestern Switzerland |
| 15:40 | Structural batteries in electrical road vehicles. When is it a good idea?
Frida HERMANSSON, Chalmers University of Technology, Sweden |
| 15:50 | Recycled carbon fiber compounds
Andrea Castrovinci, SUPSI (Scuola universitaria professionale della Svizzera italiana), Switzerland |
| 16:00 | Networking and Trade Fair |

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FOR MORE DETAILS PLEASE CONTACT:
(Also, about how to book a booth as an exhibitor)

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