

# 2<sup>ND</sup> COMPOSITES in Building & Infrastructure Summit

#2composites19

VIENNA, AUSTRIA | NOVEMBER 20 - 21, 2019

## Key Practical Learning Points of the Summit:

- GFRP-based structures that can facilitate telecommunication and data transmission
- Biocomposites: building with hems, cactus and other natural elements
- Composites as a corrosion-resistant reinforcement to sustain concrete structures
- Methods for overcoming the initial cost barrier
- Latest studies on the long-term durability of composites vs. other materials
- Advanced possibilities of FRP-based design elements along bridges
- Creating an internal drive for sustainable practices
- Methods of 3D printing for lightweight, durable materials

## Key Speakers:



Sponsorship-related questions to:  
[reglster@vonlanthengroup.com](mailto:reglster@vonlanthengroup.com)



**Anurag Bansal, ES**  
 Global Business Development  
**ACCIONA Construction SA**



**Andrew Mafeld, SE**  
 Founder & Managing Director  
**Connectra Global KB, Sweden**



**Tomasz Czarnecki, BE**  
 COO  
**EconCore**



**Magdalena Kimm, DE**  
 Doctoral Candidate  
**RWTH Aachen University**



**Dr. Asta Partanen, DE**  
 Wood & Bio-Based Materials,  
 Labelling & Standards  
**nova-Institute**



**Jan Kroon, NL**  
 CEO  
**FiberCore Europe**



**Lars Linnemann, DE**  
 R&D Project Manager  
**Hille Engineering**



**Sebastian Steffen, DE**  
 Department Head of Resin Synthesis &  
 Semi-Finished Components  
**Fraunhofer Institute for Applied  
 Polymer Research IAP**



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VIENNA, Austria  
November 20 - 21, 2019

2ND COMPOSITES in  
Building & Infrastructure  
Summit

We are pleased to invite you to the **2nd Composites in Building & Infrastructure Summit**, on November 20-21<sup>st</sup>, 2019 in Vienna, Austria.

Whether they're used for reinforcing current structures or creating new buildings, bridges, railways, etc., composites play a large role in shaping the future of cities. This is especially true with the continued development of 5G-compatible smart cities and the importance of utilising a highly-durable product that leaves a low ecological footprint.

With that in mind, our event strives to bring together top companies and innovators to share their lessons and give attendees a glimpse of the future. Don't miss out on this opportunity to meet and network with industry leaders while learning about some of the most exciting and innovative projects taking place across the world.

We look forward to welcoming you to Vienna at this great event in November.

## Who Should Attend?

**Organisations working in the areas of: Civil Engineering, Construction, Innovative Infrastructure, Composite Materials and Smart City Dev.**

### Overview of corresponding stakeholders:

- Structural Engineers
- Office Designers
- Composite Manufacturers
- Infrastructure Professionals
- R&D Directors/Managers
- Telecoms
- Young Professionals
- Purchasing Directors/Managers
- Engineers
- Designers
- Raw Material Producers
- Architects
- Railway Companies
- Tribology & Wear
- Expert Associations & Institutions
- Technology Developers
- Builders
- Green & Natural Fibre Composites
- Regulators
- Market/Business Development
- Certification Labs
- Composites End-Users
- Utility Providers
- Sustainability Advocates
- Developers

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DAY ONE | November 20, 2019

08:00 REGISTRATION AND WELCOME COFFEE  
08:40 OPENING ADDRESS FROM THE ORGANISER AND CHAIRMAN

INDUSTRY OBSTACLES AND SOLUTIONS

- 09:00
- Addressing the obstacles and opportunities composite solutions present in the construction sector
  - Thermoplastic honeycomb sandwich panel technology — weight and cost-saver within building and infrastructure
  - GFRP-based structures that can facilitate telecommunication and data transmission
  - Composites as a corrosion-resistant reinforcement to sustain concrete structures
  - Methods for overcoming the initial cost barrier

15:00  **PANEL DISCUSSION:** All Speakers of the day are invited — moderated by Chairman of Day 1

16:00  **CHAIRMAN'S CLOSING REMARKS AND END OF DAY ONE**

18:00  **BUSINESS DINNER**

DAY TWO | November 21, 2019

08:20 REGISTRATION AND WELCOME COFFEE  
08:50 OPENING ADDRESS FROM THE CHAIRMAN

INNOVATIVE MATERIALS AND TOOLS

- 09:00
- Biocomposites in Construction. Building with hemsps, cactus and other natural elements
  - Nanotechnology in construction
  - Latest studies on the long-term durability of composites vs. other materials
  - Advanced possibilities of FRP-based design elements along bridges
  - Creating an internal drive for sustainable practices
  - Methods of 3D printing for lightweight, durable materials

14:00  **PANEL DISCUSSION:** All Speakers of the day are invited — moderated by Chairman of Day 2

15:00  **CHAIRMAN'S CLOSING REMARKS AND END OF SUMMIT**

Sponsorship Slots:

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**CASE STUDY: Nanotechnology in construction**



**Anurag Bansal**  
Global Business Development  
**ACCIONA Construction SA**



Anurag Bansal has over 19 years of hands-on experience in product and process development for the manufacturing of composite elements for building and construction, chemical, electrical, and automotive industries using Pultrusion, SMC/DMC, Filament and Chop Hoop winding, Compression Moulding, RTM and VARTM, and Chop-spray processes. Apart from deep involvement in manufacturing, he is also looking at raw material sourcing, technology transfer, key customer coordination, and global business development.

**CASE STUDY: Biocomposites in Construction**



**Dr. Asta Partanen**  
Wood & Bio-Based Materials,  
Labelling & Standards  
**nova-Institute**



Dr. Asta Partanen is one of the leading market experts on biocomposites in Europe, especially on wood-plastic composites. She did her PhD research on market opportunities of innovative wood composites in the German-speaking area. She has been conducting market research and consulting for the development of new biocomposites and their applications and market launch for the last 18 years — for several years through her consulting company, Asta Eder Composites Consulting in Vienna, and since 2013 in the nova-Institute in Germany. At nova-Institute, Asta also works in the field of market research, standardisation, certification and labelling of bio-based materials. She is the project leader of the Biocomposites Conference Cologne and she leads several customer research and consulting projects on bio-based materials and biocomposites.

**CASE STUDY: To be announced**



**Andrew Mafeld**  
Founder & Managing Director  
**Connectra Global KB, Sweden**



Andrew Mafeld has over 30 years of experience in the global composites industry covering the carbon, glass and natural fibre sectors. He is the founder and managing director of the Connectra group of companies, a Swedish-based international business development consultancy working mainly in composites materials. Prior to founding Connectra in 1998, Andrew held vice president positions in both commercial and technical areas at glass fibre manufacturer Owens Corning in both Europe and the USA. Andrew has a chemical engineering degree from Imperial College, London, an MBA from INSEAD, France, and he speaks multiple languages. He has consulted on business development strategies in composites for clients worldwide, including large and small companies, government ministries and regional development agencies. His first book, "The Automation of Polymer Composites Manufacturing", was published in 2010 and his book titled "The Future of Construction: The Growing Use of Composites in Construction and Architecture" was published in 2017.

**CASE STUDY: The sustainability aspects of composite and an FCE concept of refurbishing existing concrete bridges**



**Jan Kroon**  
CEO  
**FiberCore Europe**



Jan Kroon spent five years as a member of the board of directors for BTE Group and then, in January 2018, left to be general manager of FiberCore Europe. He has experiences in the construction industry dating back to the 80s, and from 2000-06 he was a commercial manager at Heitsma Beton before spending 2006-12 as a general manager of two BTE Group subsidiaries. Jan is a member of the board for several different organisations, a project manager of different innovations and a co-creator of the internal business development program at BTE Group. In 2011, Tomasz became the technology manager and took the lead of EconCore's sales and marketing. In 2016, he was named the chief operations officer. Today he combines technical and commercial roles at the company, leading EconCore's licensing, marketing and technology development activities.



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**CASE STUDY: Thermoplastic honeycomb sandwich panel technology — weight and cost-saver within building and infrastructure**



**Tomasz Czarnecki**  
COO  
EconCore



- Background on efficiency of sandwich panel design; how to translate weight reduction into cost savings
- Sandwich core material options today
- Technology of continuous production of thermoplastic honeycomb panels and integrated processing to ensure maximal cost efficiency
- Review of applications within building and infrastructure
- Review of different honeycomb material combinations used within these applications

Tomasz Czarnecki graduated in 2002 from the Technical University of Czestochowa, Poland, in materials engineering. From 2003-06, he was a researcher at the Composites Materials Group at the Catholic University Leuven in Belgium, with the focus on lightweight sandwich structures and polymer composite materials. One thing that Tomasz worked on at the time was the Cosmolite, the "first composite suitcase" launched by Samsonite in 2005. In 2006, he joined EconCore in materials and applications development. Through his time there, Tomasz has been developing lightweight material solutions for packaging, automotive, transportation and B&C applications, working with leaders of the different market segments. His projects include installation and commercialisation of the honeycomb sandwich technology at Tata Steel, RENOLIT, Wabash National and others. Tomasz has also taken an active role in starting up EconCore's daughter company, ThermHex Waben, which today is a leading manufacturer of PP honeycomb cores for the composites industry.

**CASE STUDY: Wood veneer prepregs: a versatile material with excellent fire retardancy**



**Sebastian Steffen**  
Department Head of Resin Synthesis &  
Semi-Finished Components  
Fraunhofer Institute for Applied  
Polymer Research IAP



- Project information: goal, funding and partners
- Bio-modified phenolic resin
- Impregnation and cross-linking
- Fire retardancy according to EN 45545-2 HL2/3
- Case study – seating, furniture and music instruments

Sebastian Steffen holds a doctorate degree in chemistry from Brandenburg University of Technology Cottbus-Senftenberg. He has over 10 years' experience in R&D of thermosetting resins for several applications from chemistry up to components. His functional experience includes chemical development, process optimisation, application-oriented resin formulation, project management, project acquisition including commodity and engineering resins covering all types of application (wind energy, railway, aircraft, etc.). Sebastian has been at Fraunhofer IAP since 2008, spending the last six years as department head of resin synthesis and semi-finished components. He's responsible for scientific and budget supervision of several R&D projects, project acquisition and new business development. In 2011, Tomasz became the technology manager and took the lead of EconCore's sales and marketing. In 2016, he was named the chief operations officer. Today he combines technical and commercial roles at the company, leading EconCore's licensing, marketing and technology development activities.

**CASE STUDY: Composites resource efficiency in construction sector**



**Magdalena Kimm**  
Doctoral Candidate  
RWTH Aachen University



Magdalena Kimm works as group leader for Construction Composites at the Institut für Textiltechnik (ITA) of RWTH Aachen University, Germany. She is involved in several research projects, such as the major project "Verbund.NRW" on the recycling-oriented use and sustainability of fibre-reinforced composites in the construction industry founded by the county of North Rhine-Westphalia, Germany. Here, she examines the recyclability of carbon fibers and textile reinforced concrete and works on closed-loop, resource-efficient production processes.

Our Upcoming Events:

4th Automotive Plastics & Advanced Composites Summit  
Munich, Germany | May 16 - 17, 2019



Sponsorship-related questions to:  
[register@vonlanthengroup.com](mailto:register@vonlanthengroup.com)

# PRE-REGISTRATION FORM

## 2nd Composites in Building & Infrastructure Summit

Date of registration:



E-mail this form to: [register@vonlathengroup.com](mailto:register@vonlathengroup.com)

Upon receiving the registration form, you will get an invoice for payment.

Package name	Register by May 31st	Register by August 30th	Standard
<input type="checkbox"/> Delegate: Standard	€1295	€1595	€1795
<input type="checkbox"/> Group Delegates: 2+	€1195	€1395	€1595
<input type="checkbox"/> Group Delegates: 4+	€995	€1195	€1395
<input type="checkbox"/> Non-profit: institutes & academies	€995	€1195	€1295

\*Hotel accommodation & travel costs are not included in the registration fee.

As soon as a venue is confirmed, organizer will post the information on its website. Registered delegates will be informed by e-mail.

To register for the Summit, please provide the details below. This registration form is editable.

### Terms and Conditions:

Name:  Surname:   
 Position:   
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 Special dietary requirements:  Vegetarian  Gluten-free  Other (please specify)

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 Company:  If different from invoicing details  
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 Special dietary requirements:  Vegetarian  Gluten-free  Other (please specify)

Name:  Surname:   
 Position:   
 Company:  If different from invoicing details  
 E-mail:   
 Special dietary requirements:  Vegetarian  Gluten-free  Other (please specify)

Payment method:  Wire transfer  Credit card

By sending this form, I confirm that I have read and accepted the Terms and Conditions.

#### Registration Confirmation and Payment Policy:

The organizer will confirm your participation after receiving the signed registration form. The client will receive the invoice within 24hrs of sending the signed form. The organizer requires the full payment of the registration fee within 10 working days of the invoice issue date. Registration fee includes 2 days participation, refreshments, lunches, dinner, and documentation package. Payments can be made by bank transfer or credit card. Payments by bank transfer are in Euros.

#### Cancellations and Substitutions:

A delegate may be substituted up to 5 days before the event. Cancellation made one month prior to the start date of the event will be refunded less 50% of the registration fee. Refunds will be made after the event. Cancellations made within one month of the event start date will result in no refund. A written notice is required for cancellation. But the organizer understands that there are unforeseen circumstances that cause cancellations, in such events the organizer can provide a delegate-pass to an upcoming event that will be valid for one year from original event start date. Please note that the delegate-pass cannot be refunded due to further cancellation.

#### Force Majeure and Permanent Cancellation of Event:

While every reasonable effort will be made to adhere to the advertised event, the event organizer reserves the right to change event dates, sites or location, omit event features, or merge the event with another event as it deems necessary without penalty. In such situations no refunds, partial refunds or alternative offers will be made. In any case that the organizer permanently cancels the event for any reason whatsoever, including but not limited to any force majeure occurrence, and provided that the event is not postponed to a later date nor is it merged with another event, the client will receive 100% refund of the registration fee in a maximum of 30 working days from the date of cancellation.

#### Copyright:

All intellectual property rights in all materials produced or distributed by the event organizer in connection with this event are expressly reserved and any unauthorised duplication, publication or distribution is prohibited.

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<input type="checkbox"/> I cannot attend but would like to purchase the documentation package for this event	€499

**Presentations** that are available for download will be subject to distribution rights by speaker

### Sponsorship packages

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Discount on additional passes	10%	10%	15%	20%	30%	40%
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