

ONLINE FORUM

COMPOSITES IN

MEDTECH

NOV. 24-26, 2020

BY COMPOSITES UNITED

[PLEASE CLICK HERE TO REGISTER ONLINE](#)



COMPOSITES
UNITED

SWITZERLAND

ABOUT

WELCOME!

We are pleased to inform you about the upcoming online forum
“Composites in MedTech.”

“Composites in MedTech” is the global platform for all participants from industry and research in the fields of composites and medical technology. No matter if SME, start-up, service provider, or research institution, everyone can find suitable participants from all over the world to network and interact with each other.

ON THE FIRST DAY, speakers from the composites industry and universities will give exciting presentations on how they have mastered specific problems in the field of medical technology and what the current state of the art is.

ON THE SECOND DAY of the event, speakers from the medical sector, the composites industry, and universities will present current and future problems for which they are looking for technical and/or material solutions or for which they already have solutions available.

Both series of lectures will be made available to the participants as video recordings immediately afterward, so that global time differences are not an issue.

THE THIRD DAY is dedicated to networking. There will be three matchmaking blocks of two hours each, timed so that participants from all over the world can use this platform to interact.

In addition to the possibility to register as a participant, we also offer companies the opportunity to place themselves visibly in the marketplace. Both via the special company pages and as a sponsor of the event. Various packages can be booked.

We look forward to welcoming you online.
Please feel free to contact us at any time for further information.



Theo-Josef Sandu
T +41-52-520-7407 or
theo.sandu@composites-united.com
www.composites-united.ch

PROGRAM

NOVEMBER 24, 2020

TIME ZONE	FROM-TO	SPEAKER	TITLE/ABOUT PRESENTATION
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	03:00 p.m.–03:40 p.m. 06:00 a.m.–06:40 a.m. 09:00 a.m.–09:40 a.m. 02:00 p.m.–02:40 p.m. 10:00 p.m.–10:40 p.m. 11:00 p.m.–11:40 p.m.	 Roger Stadler (CEO, icotec ag)	KEYNOTE: Unlocking Treatment Options in Today's Spine-Tumor Care icotec ag is world market leader in the treatment of spinal tumors with BlackArmor® (Carbon/PEEK) implants and provides intensive support to radio-oncologists and surgeons in the further development of comprehensive tumor therapy from planning to implementation and follow-up.
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	03:40 p.m.–04:00 p.m. 06:40 a.m.–07:00 a.m. 09:40 a.m.–10:00 a.m. 02:40 p.m.–03:00 p.m. 10:40 p.m.–11:00 p.m. 11:40 p.m.–00:00 p.m.	 Tanja Koch (Product Growth Specialist, 9T Labs)	Seamless Solution for Industrial-Grade Continuous Carbon Fiber 3D-Printed Composites Nowadays, the comparably high costs associated with carbon fiber (CF) composite parts to their aluminum or steel contenders remain a constraining factor. A higher degree of freedom to optimize the part geometry and the fiber layup in combination with increased automation in manufacturing will reduce the current constraint. 3D printing, an additive manufacturing technology, is believed to deliver on those demands for manufacturing. 9T Labs' radical all-in-one Red Series technology provides a fully integrated solution, starting from CAD design to the final part. Furthermore, it enables 3D printing of performance composites with high-fiber-volume-content (> 60%) materials, ensures part quality by introducing appropriate consolidation steps, and scales through the parallelization of affordable printing units.
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	04:00 p.m.–04:20 p.m. 07:00 a.m.–07:20 a.m. 10:00 a.m.–10:20 a.m. 03:00 p.m.–03:20 p.m. 11:00 p.m.–11:20 p.m. 00:00 a.m.–00:20 a.m. (+1)	 Gion A. Barandun (Professor, OST Eastern Switzerland University of Applied Science)	MOWA – a Next-Generation Modular Orthosis System The configuration and adaption of orthosis is difficult, as the individual patients' needs are hard to ensure. Additionally, the manufacture and tuning of the structural composite elements and parts in direct contact with the patient are time-consuming and prone to errors. The MOWA system offers a new approach, based on modular components adapted to the patient using a new process. By "measuring" the patient and then selecting and producing the appropriate components of the orthosis, optimal patient care is ensured.
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	04:20 p.m.–04:40 p.m. 07:20 a.m.–07:40 a.m. 10:20 a.m.–10:40 a.m. 03:20 p.m.–03:40 p.m. 11:20 p.m.–11:40 p.m. 00:20 a.m. (+1)–00:40 a.m. (+1)	 Sebastian Iwan (Managing Director, thermoPre ENGINERING GmbH)	Unidirectional Continuous Fiber-Reinforced Thermoplastic Semifinished Products and Their Advantages in Technical and Medical Applications The present paper introduces the fully impregnated semifinished product thermoPre®. The material development is characterized by using a single, direct processing technique in a large-scale manufacturing process. Apart from the actual material production, the lecture will present the main features of component development. From material characterization to component and tool design to component testing and prototype production.
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	04:40 p.m.–05:00 p.m. 07:40 a.m.–08:00 a.m. 10:40 a.m.–11:00 a.m. 03:40 p.m.–04:00 p.m. 11:40 p.m.–00:00 p.m. 00:40 a.m. (+1)–01:00 a.m. (+1)	 Lena Kölsch , (M.A., M.Sc. research assistant, Fibre- & Material Development Faserinstitut Bremen e.V. (FIBRE))	SkolioShirt – Development of an Innovative Scoliosis Corset Including a New Manufacturing Process Scoliosis is a deformity of the spine that develops when children grow. The spinal column bends sideways and the vertebral bodies twist at the same time. The disease is associated with degenerative changes and increasing limitation of physical performance. In the case of moderate to severe scoliosis, treatment with a scoliosis corset is part of the therapy. The main disadvantage of this therapy is the lack of acceptance due to the wearing comfort and the visibility of the corset on top of the clothes. The success of the therapy depends strongly on the amount of time in which the corset is worn. Therefore, the aim of the project is the development of an innovative corset made of fibre-reinforced composites, including a new manufacturing process. The innovative scoliosis shirt should lead to a higher therapeutic success rate compared to solutions that were previously available due to the improved wearing comfort. The design concept is based on a combination of a CFRP (carbon-fiber-reinforced plastics) inlay produced by a vacuum infusion process and a textile cover. The inlay applies and transfers the forces, especially in the pressure zones, and the textile cover gives the corset the appearance of a garment and ensures better wearing comfort. An innovative construction of the inlay, in which textile patches are layered, allows the stiffness and strength of the material to be varied locally and thus adapted to the individual requirements of the patients. The use of CFRP and the special design that is adapted to local loads can reduce the amount of material used and thus also the weight. Furthermore, this results in improved wearing comfort. In addition, FEM simulations of a corset, which are available on the market, were used to analyze the mechanical stress and to develop the inlay.

PROGRAM

NOVEMBER 25, 2020

TIME ZONE	FROM-TO	SPEAKER	TITLE/ABOUT PRESENTATION
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	03:00 p.m.–03:40 p.m. 06:00 a.m.–06:40 a.m. 09:00 a.m.–09:40 a.m. 02:00 p.m.–02:40 p.m. 10:00 p.m.–10:40 p.m. 11:00 p.m.–11:40 p.m.	 Axel Herrmann (CEO, CTC GmbH and Faserinstitut Bremen e.V. (FIBRE))	KEYNOTE: Composites in Medical Technology. From the Beginnings to Today and a Look Ahead to the Future In this keynote, we will look at the development of composite materials in medical technology applications, using examples as well as looking at the characteristics of composite materials for use in medical technology.
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	03:40 p.m.–04:00 p.m. 06:40 a.m.–07:00 a.m. 09:40 a.m.–10:00 a.m. 02:40 p.m.–03:00 p.m. 10:40 p.m.–11:00 p.m. 11:40 p.m.–00:00 p.m.	 Sven Duda (Chief Medical Officer Oberstabsarzt, Clinic for Neurosurgery, Westerstede Military Hospital) Marc Mayer, M.Sc., (CTC GmbH and Laboratory for Manu- facturing Technology, Helmut Schmidt University)	The Application of Reverse Engineering & Additive Manufacturing Technologies in Neurosurgery Today, surgical planning is supported by various sectional-imaging techniques. As the image information does mainly depict two-dimensional image stacks in different layers, the transfer of the two-dimensional image data to the surgical site is to be made by the surgeon with the help of their personal experience and spatial instincts. With the application of image segmentation and 3D printing, the sectional images can be transformed to 3D models to be used for surgical planning and simulation. The fabrication and testing of a novel simulator for teaching basic surgical skills for the management of head trauma will be presented. Furthermore, a way forward for the gradual development of even more realistic surgical simulators will be shown.
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	04:00 p.m.–04:20 p.m. 07:00 a.m.–07:20 a.m. 10:00 a.m.–10:20 a.m. 03:00 p.m.–03:20 p.m. 11:00 p.m.–11:20 p.m. 00:00 a.m.–00:20 a.m. (+1)	 Markus Brzeski (Managing Director, A+ Composites GmbH)	Development and Use of Thermoformable Composites in Orthopedic Applications Composites are an elementary component for the reinforcement of orthopedic aids. This presentation will show how orthopedic technicians work together with composite specialists and how they develop new products.
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	04:20 p.m.–04:40 p.m. 07:20 a.m.–07:40 a.m. 10:20 a.m.–10:40 a.m. 03:20 p.m.–03:40 p.m. 11:20 p.m.–11:40 p.m. 00:20 a.m.(+1)–00:40 a.m.(+1)	 Benedikt Borchert (Sales Manager, Biontec – Bionic Composite Techno- logies AG)	When Haute Couture Trends Meet Biomimetic Design: How to Improve Medical Imaging With increasing efforts to reduce the impact and side effects of any medical treatment, imaging technology is becoming more and more important. Engineers seek to increase doctors' fields of vision while reducing patients' radiation exposure. With innovative radiolucent components, Biontec helps to achieve this goal.
Zurich/Berlin San Francisco New York UTC/GMT Beijing Tokyo	04:40 p.m.–05:00 p.m. 07:40 a.m.–08:00 a.m. 10:40 a.m.–11:00 a.m. 03:40 p.m.–04:00 p.m. 11:40 p.m.–00:00 p.m. 00:40 a.m.(+1)–01:00 a.m.(+1)	 TBA (tba)	TBA

PROGRAM

NOVEMBER 26, 2020

TWO HOURS OF 1:1 MATCHMAKING

WITH SIX SLOTS OF 20 MINUTES EACH



SESSION: EUROPE/ASIA/AUSTRALIA

	UCT/GMT	ZURICH/BERLIN	BEIJING	TOKYO
	07:00 a.m.–09:00 a.m.	08:00 a.m.–10:00 a.m.	03:00 p.m.–05:00 p.m.	04:00 p.m.–06:00 p.m.

SESSION: EUROPE/AFRICA

	NEW YORK	UCT/GMT	ZURICH/BERLIN	
	08:00 a.m.–10:00 a.m.	01:00 p.m.–03:00 p.m.	02:00 p.m.–04:00 p.m.	

SESSION: EUROPE/AMERICA

SAN FRANCISCO	NEW YORK	UCT/GMT	ZURICH/BERLIN	
09:00 a.m.–11:00 a.m.	12:00 p.m.–02:00 p.m.	05:00 p.m.–07:00 p.m.	06:00 p.m.–08:00 p.m.	

SHORT LIST MATCHMAKING

WHAT DO YOU GET?

FACE-TO-FACE TALKS ▶ 20 minutes each



GET STARTED

1. REGISTER (green button “register now”)
2. Add contact and organization details
3. Select your network
4. Add company profile

THE MORE DETAILS YOU ADD, THE MORE YOU WILL BENEFIT!

PLEASE NOTE, YOUR PROFILE IS THE FIRST IMPRESSION AND ACTS AS AN ONLINE BUSINESS CARD!



MAKE A REQUEST

1. EXPLAIN:
 - ▶ What are you looking for?
 - ▶ What do you offer?
2. SPECIFY:
 - ▶ What type of partner are you looking for exactly?
3. Published profiles will be extensively promoted by the organizers of the event

HIGH-QUALITY PROFILES ARE VISITED 50 TO 100 TIMES DURING AND AFTER THE EVENT!

PLEASE NOTE: HIGH QUALITY PROFILES GENERATE SIGNIFICANTLY MORE MEETING REQUESTS!



BOOK YOUR MEETING

1. You will be alerted by e-mail when the booking is opened
2. Choose your partner
3. Add a reason why you are interested
 - ▶ It will increase the acceptance

4. Send your request and the accepting person schedules a date and time
5. Please check every incoming request. As a matter of politeness, let the questioner know if you are interested or not.
6. It is possible that a participant is not available for a 1:1 meeting. Please note:
 - ▶ You can make yourself available via Agenda/Event agenda
 - ▶ Please check the [booking rules](#). Some meeting combinations are not allowed



COUNTDOWN TO MEETING

1. View date/time of your meetings via the menu “Meetings” at any time
2. Download the “b2match” mobile app (iOS/Android) to:
 - ▶ Get access to your meeting schedule on your cell phone
 - ▶ Be informed about last-minute changes (bookings, cancellations)
 - ▶ Manage additional meetings during the event (send/receive/confirm requests)
 - ▶ Please make sure your Internet connection and hardware/software setup (browser, webcam, headset, etc.) work properly



TIME TO MEET

1. Please check your schedule in case of last-minute changes
- 2. PLEASE SHOW RESPECT AND SHOW UP ON TIME!**
3. If you are not able to attend a meeting, please cancel through the platform. This way, you make sure the other participant is notified.

FOR DETAILS, PLEASE CHECK [HERE!](#)

PRICING

ATTENDEE PRICES

MEMBERS COMPOSITES UNITED	free of charge
MEMBERS PARTNER ASSOCIATIONS	€300.00
OTHERS	€500.00

INCLUDES

- ▶ Live access to all keynotes/presentations
- ▶ 1:1 contact to all other attendees, speakers, and exhibitors
- ▶ Full matchmaking access
- ▶ On-demand access to all recorded lectures (keynotes and presentations)

EXHIBITOR PRICES

MEMBERS COMPOSITES UNITED	€100.00
MEMBERS PARTNER ASSOCIATIONS	€400.00
OTHERS	€700.00

INCLUDES

- ▶ One forum ticket
- ▶ Company profile @marketplace (logo, text, URL, etc.)
- ▶ Embedded company video
- ▶ Live access to all keynotes/presentations
- ▶ 1:1 contact to all other attendees, speakers, and exhibitors
- ▶ Full matchmaking access
- ▶ Attendee and exhibitor list
- ▶ On-demand access to all recorded lectures (keynotes and presentations)

SPONSOR PRICES

MEMBERS COMPOSITES UNITED	€500.00
MEMBERS PARTNER ASSOCIATIONS	€1,400.00
OTHERS	€2,000.00

INCLUDES

- ▶ Company logo on event page (with link) and in mailing
- ▶ Embedded company video
- ▶ Three forum tickets
- ▶ Company profile @marketplace (logo, text, URL, etc.)
- ▶ Live access to all keynotes/presentations
- ▶ 1:1 contact to all other attendees, speakers, and exhibitors
- ▶ Full matchmaking access
- ▶ On-demand access to all recorded lectures (keynotes and presentations)

PARTNER ASSOCIATIONS

(with reduced fees for members)

SWISS MEDTECH



LIGHTer

[PLEASE CLICK HERE TO REGISTER ONLINE](#)



PLEASE CLICK HERE TO REGISTER ONLINE

COMPOSITES IN

MEDTECH

NOV. 24-26, 2020

BY COMPOSITES UNITED

CONTACT

Theo-Josef Sandu
T +41-52-520-7407 or
theo.sandu@composites- united.com
www.composites- united.ch

Supported by



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Innosuisse – Swiss Innovation Agency

Organized by



COMPOSITES
UNITED

SWITZERLAND