



TECHNISCHE UNIVERSITÄT
CHEMNITZ

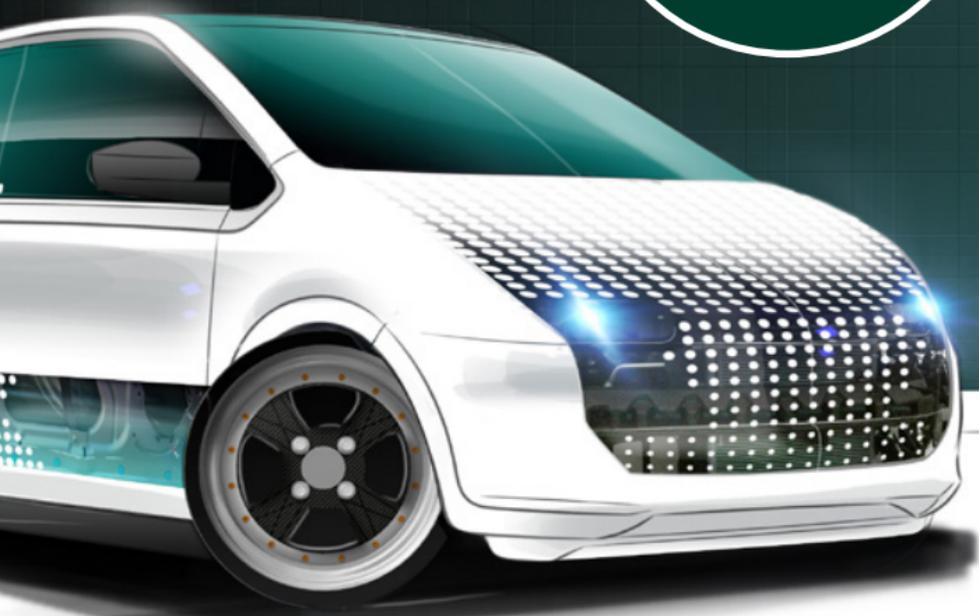
CLUSTER OF EXCELLENCE

Merge Technologies for Multifunctional Lightweight Structures

IMTC 2019 Lightweight Structures

18th - 19th September 2019 | TU Chemnitz

Under
the Patronage
of the Saxon
Minister-President
Michael Kretschmer



4th International MERGE Technologies Conference

Conference Programme





MTC
Lightweight Structures e. V.



MTC Lightweight Structures e. V.

Merge Technologies for Multifunctional Lightweight Structures

Contact

Univ.-Prof. Dr.-Ing. habil. Prof. h. c. Dr. h. c. Prof. Lothar Kroll
Chairman and Coordinator Cluster of Excellence MERGE

Norbert Schramm
Managing Director

Phone: +49 371 531-38925
Email: info@mtc-lightweightstructures.com
www.mtc-lightweightstructures.com

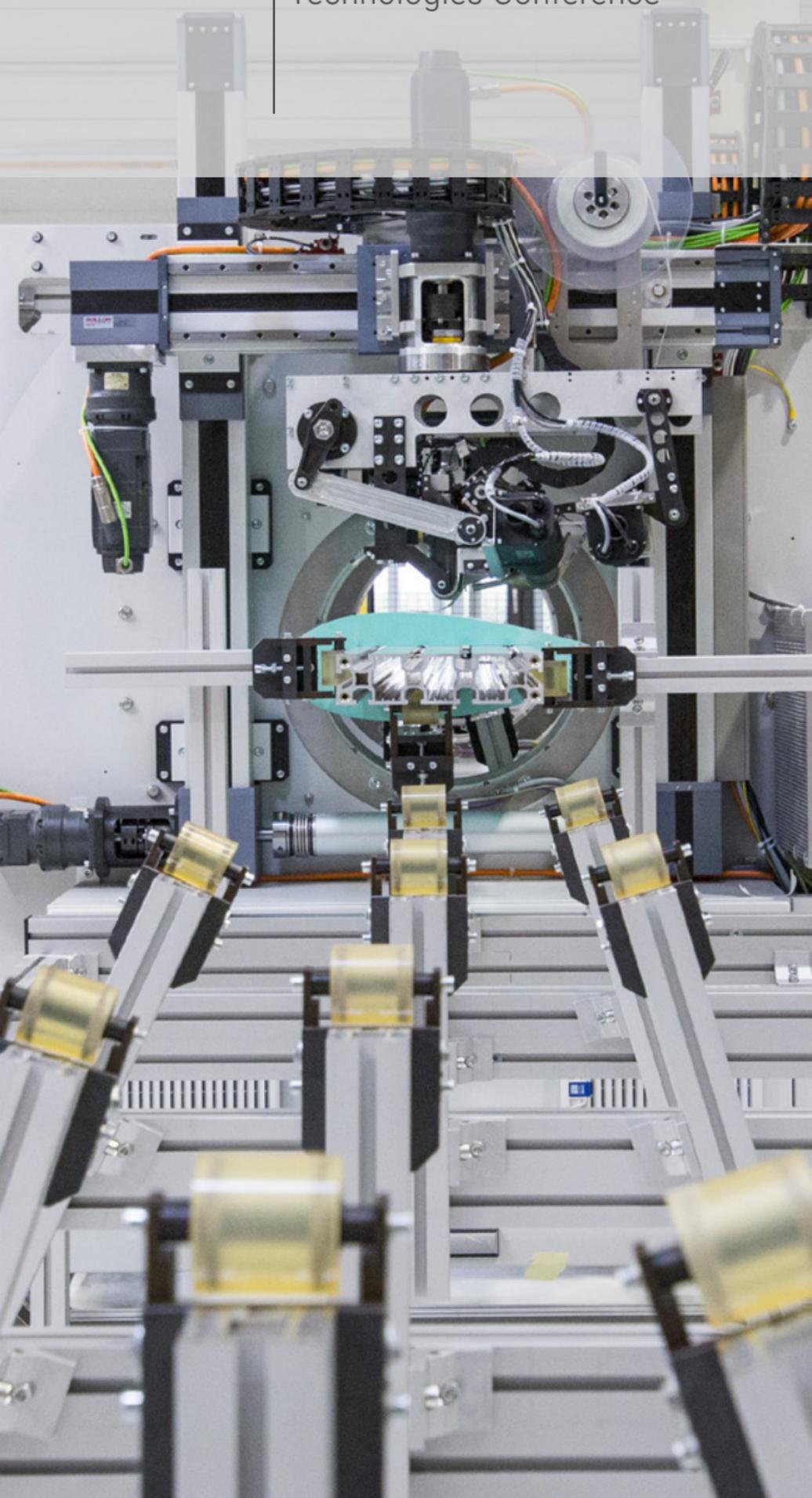


Under the Patronage of the
Saxon Minister-President
Michael Kretschmer

MERGE Technology Centre
Pilot Plant of the Continuous
Orbital Wrapping Machine

GREETINGS

4th International MERGE
Technologies Conference





Ladies and Gentlemen,

We cordially invite you to the 4th International MERGE Technologies Conference (IMTC) from the 18th until the 19th of September 2019 at the Chemnitz University of Technology.

In a competitive environment, the strong cooperations, solution-oriented strategies and marketable applications needed, call for close working relationships between research institutions and companies. This is a goal which can be achieved through interdisciplinary thinking and action, knowledge transfer and the networking of numerous actors from the fields of materials and natural sciences, production technology, microelectronics, system integration, design, calculation, simulation and quality assurance. The IMTC therefore welcomes experts from science and industry who share their knowledge and experiences in the research and development of lightweight structures and their manufacturing technologies.

Enjoy an interesting and varied lecture programme, which is centred on topics that are particularly relevant for the sustainable ecological and economical production of hybrid lightweight components and join discussions on the latest developments and trends in lightweight construction.

A colloquium, encapsulating the highlights of six successful years of research at MERGE as well as a poster session and an accompanying fair exhibition will round off the programme of the 2019 conference.

Show us your creative side this year by following our "Call for Creatives". We're looking forward to your contribution in the form of photographs, paintings, sculptures, films or simulations, which focus on a different side of technology and research. Further information can be found online.

We're looking forward to welcoming you at the 4th IMTC in Chemnitz.

A handwritten signature in blue ink, appearing to read "L. Kroll".

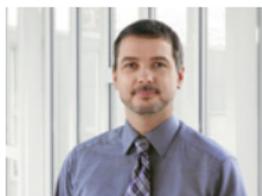
Prof. Lothar Kroll
Coordinator

A handwritten signature in blue ink, appearing to read "M. Heinrich".

Dr. Michael Heinrich
Scientific Director

A handwritten signature in blue ink, appearing to read "Roth-Panke".

Dr. Isabelle Roth-Panke
Administrative Director



Conference Topics

The conference covers all aspects of materials, manufacturing technologies and applications for the mass production of lightweight structures. A special focus will be placed on the latest results in the following areas:



SESSION 1

Materials, Semi-Finished Products and Composite Structures for Lightweight Design

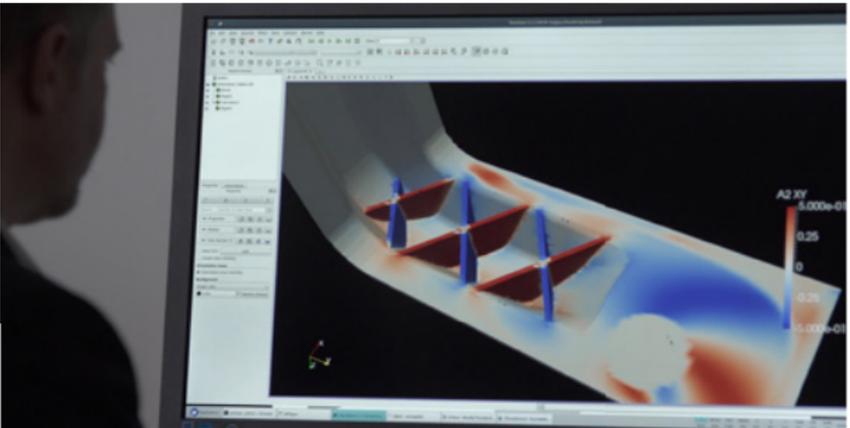
- In-line processes for preforms and prepregs
- Hybrid materials based on textiles, plastics, metals and fibre-reinforced plastics
- Interface design and engineering



SESSION 2

Processing, Systems and Applications for the Mass Production of Lightweight Structures

- Technology fusion and hybridisation
- Manufacturing of hybrid structures with textile, plastic and metal-based technologies
- Manufacturing equipment, automation



SESSION 3

Modelling and Simulation of Hybrid Structures and their Production Processes

- Advanced constitutive laws and experimental characterisations
- Integrative simulation and optimisation
- High-precision FEM

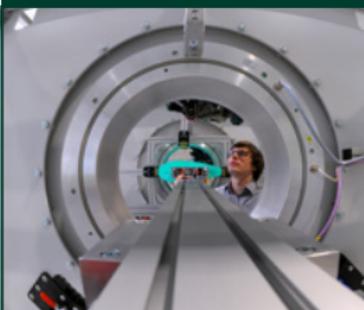


SESSION 4

Smart Systems Integration

- Smart, functional and adaptive structures
- Design, technologies and application of integrated smart systems
- Reliability and robustness of integrated systems

SPECIAL TOPIC at IMTC 2019



Colloquium MERGE Six Successful Years of Research

- Scientific report and outlook
- Selected lectures of all Interacting Research Domains

KRAFTVERKEHR ATRIUM

Location of the
conference dinner

PROGRAMME

Wednesday, 18th September

Opening | Parallel Sessions

09:00 - 18:00

Conference Dinner

from 19:00



KRAFTVERKEHR
EVENT- UND KONGRESSKULTUR

First Conference Day

Wednesday, 18th September

Registration from 8:00		
Room C10.112	Opening, Welcome and Keynote Speeches	09:00 - 10:30
Networking Coffee Poster Session*		
Room C10.113	Special Topic MERGE Networks, Cooperations and Internationalisation	11:30 - 13:00
Room C10.111	Session 2.1 Processing, Systems and Applications for the Mass Production of Lightweight Structures	
Lunch Trade Fair Creative Exhibition		
Room C10.113	Session 1.1 Materials, Semi-Finished Products and Composite Structures for Lightweight Design	14:00 - 15:30
Room C10.111	Special Topic MERGE Six Successful Years of Research	
Networking Coffee Creative Exhibition		
Room C10.113	Session 3 Modelling and Simulation of Hybrid Structures and their Production Processes	16:00 - 18:00
Room C10.111	Session 4 Smart Systems Integration	
Conference Dinner at Kraftverkehr Best Paper/Poster/Creative Awards		19:00

*Get in contact with the authors of the presented posters and choose your favourite for the Best Poster Award in a relaxed networking atmosphere.

Conference Dinner

At 19:00, event venue „Kraftverkehr ATRIUM“ | www.kraftverkehr-chemnitz.de

Getting there:

By foot: The location is within walking distance, approximately 15 minutes (1.1 km) from the conference venue

By car: Kraftverkehr, Fraunhoferstraße 60, 09120 Chemnitz (parking available)

By shuttle service/public transport: A shuttle service from the conference venue to the dinner location will be available. Alternatively, you can get there by tram using lines C13, C14, C15 or 3 towards "Technopark".

Wednesday, 18th September

Registration, Opening, Welcome and Keynote Speeches 08:00 - 10:30

from **Registration** Central Lecture Hall Building: Foyer
08:00

09:00 **Opening** Central Lecture Hall Building: C10.112

Prof. Lothar Kroll, Coordinator Cluster of Excellence MERGE,
Chemnitz University of Technology

Welcome

Prof. Jörn Ihlemann, Vice President for Research and Junior Researchers,
Chemnitz University of Technology

Welcome Speeches

Dr. Eva-Maria Stange, Saxon State Minister for Higher Education, Research
and the Arts

MinR Werner Loscheider, Head of Division IVB4 - Construction industry,
lightweight construction/new materials and resource efficiency, Federal Ministry
for Economic Affairs and Energy

Keynote Speeches

Potentials of lightweight structures - today and a look into the future

Prof. Jens Liebhold, Director New Technologies,
KraussMaffei Technologies GmbH

Reasons and opportunities for hybrid lightweight structures in automotive series applications

Dr. Thomas Wolff, Head of Lightweight Design and Technology Center;
Thomas Hogger, Project Manager Skeleton Design, BMW Group

10:30 **Networking Coffee | Poster Session**

11:30 **Begin of the Parallel Sessions**

Dinner Speeches in the evening at Kraftverkehr ATRIUM

Thomas Schmidt, Saxon State Minister for Environment and Agriculture

Sören Uhle, Managing Director of Economic Development Corporation,
City of Chemnitz

Peter W. Patt, Member of the Saxon State Parliament

Subject to change.

Shortened version. Please find the detailed up-to-date programme online at
www.tu-chemnitz.de/IMTC/programme.

Opening | Welcome



Prof. Lothar Kroll



Prof. Jörn Ihlemann

Welcome Speeches



Dr. Eva-Maria Stange



Werner Loscheider

Keynote Speeches



Prof. Jens Liebhold



Thomas Hogger

Dinner Speeches



Thomas Schmidt



Sören Uhle



Peter W. Patt

Wednesday, 18th September

Part I/II: Two Parallel Sessions 11:30 - 15:30

Special Topic MERGE

Networks, Cooperations and Internationalisation

Room: C10.113

11:30 **Development of hybrid lightweight materials for crash structures**
 Prof. R. Kawalla, Technische Universität Bergakademie Freiberg
 T. Henseler, Technische Universität Bergakademie Freiberg

11:50 **RubberTyRec: New environmentally friendly high performance products from end of life tyres**
 Dr. S. Hoyer, Chemnitz University of Technology

12:10 **Polish Cluster of Composite Technology**
 Dr. A. Czulak, Polski Klaster Technologii Kompozytowych (PL)

12:30 **Fraunhofer Project Center for Advanced Lightweight Technologies (ALight)**
 Prof. A. Król, Opole University of Technology (PL)

12:50 **Discussion**

13:00 - 14:00 Lunch | Trade Fair | Creative Exhibition

Session 1.1 Materials, Semi-Finished Products and Composite Structures for Lightweight Design

Room: C10.113

14:00 **Application of load adapted hybrid textiles for a thermoplastic seat pass-through**
 M. Schreiter, Fraunhofer Institute for Machine Tools and Forming Technology IWU

14:20 **Investigations on the delamination resistance of CFRP/PMI-foam filled sandwich structures**
 Dr. C. Creighton, Deakin University (AU)

14:40 **Influence of the edge quality to the water sorption of remote-laser and mechanically cut CFRP**
 M. Rose, Fraunhofer Institute for Material and Beam Technology IWS

15:00 **Design for additive manufacturing, inorganic nanoparticles and iron-doped materials to develop smart devices**
 Prof. A. Gloria, National Research Council of Italy (IT)

15:20 **Discussion**

15:30 - 16:00 Networking Coffee | Creative Exhibition

**Session 2.1 Processing, Systems and Applications
for the Mass Production of Lightweight Structures**

Room: C10.111

11:30 Ultra-fast consolidator machine: Individualized mass production of thermoplastic tailored blanks

Dr. M. Emonts, Aachen Center for Integrative Lightweight Production (AZL) of RWTH Aachen University

11:50 In-line process monitoring for the mass production of continuous fiber reinforced thermoplastic components

Dr. G. P. Holzinger, KraussMaffei Technologies GmbH

12:10 Surface irregularities in titanium marine parts formed by the particulate injection moulding process

Dr. P. Ewart, Waikato Institute of Technology (NZ)

12:30 Plasma-electrolytic polishing of additively manufactured parts

Prof. H. Zeidler, Technische Universität Bergakademie Freiberg

12:50 Discussion

13:00 - 14:00 Lunch | Trade Fair | Creative Exhibition

Special Topic MERGE
Six Successful Years of Research

Room: C10.111

14:00 Lightweight potential of 3D continuous fibre reinforcement of polyurethane foam cores with spacer fabrics

K. Schäfer, Chemnitz University of Technology

14:20 Haptic input devices with intelligent signal processing ensuring process stability and quality management

A. Graf, Chemnitz University of Technology

14:40 Continuous natural fibre reinforced biopolymers for automotive applications

A.-A. Ouali, Chemnitz University of Technology

15:00 MERGE goes Europe: Good practice for a successful implementation of international networking and research

A. Bochmann, Chemnitz University of Technology

15:20 Discussion

15:30 - 16:00 Networking Coffee | Creative Exhibition

Wednesday, 18th September

Part III: Two Parallel Sessions 16:00 - 18:00

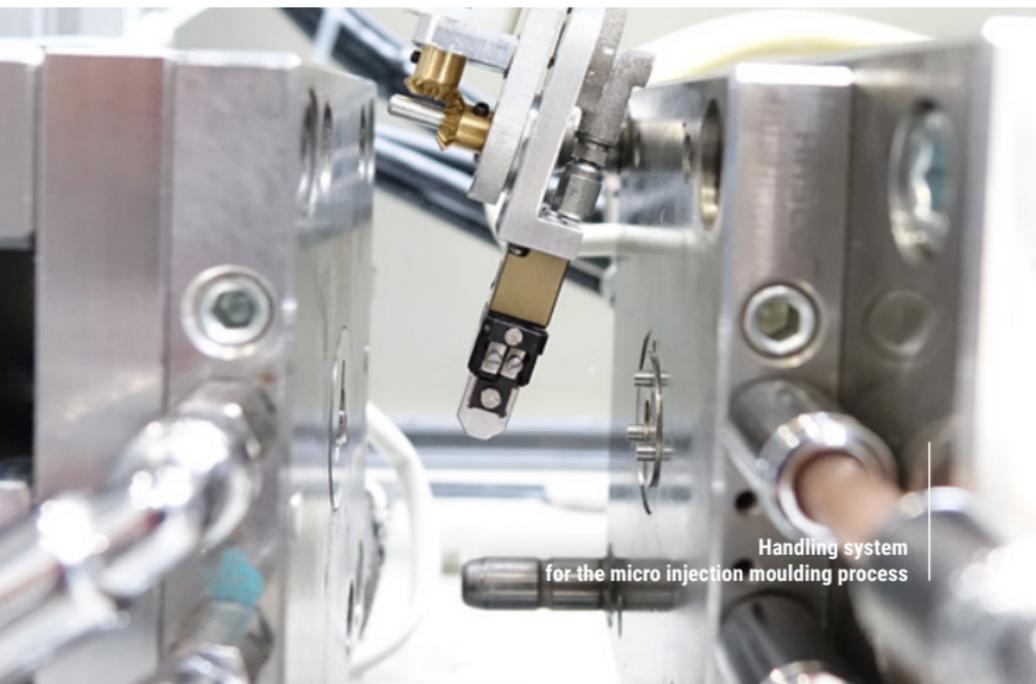
Session 3 Modelling and Simulation of Hybrid Structures and their Production Processes

Room: C10.113

- 16:00 **Process simulation and temperature-dependent failure analysis of continuous fibre-reinforced thermoplastics**
N. Schramm, LSE - Lightweight Structures Engineering GmbH
-
- 16:20 **Determination of mechanical properties of discrete fibre-reinforced injection moulding parts**
Dr. R. Müller, Carbon Armors GmbH
-
- 16:40 **Integrative FEM simulation and material characterisation for natural fibre composite NFC part**
U. Hillemann, Volkswagen AG
-
- 17:00 **Simulative feasibility evaluation of an integrated deep drawing and thermoforming process**
P. Kabala, Technische Universität Braunschweig
-
- 17:20 **Modeling, simulation and experimental validation of smart composites**
Prof. T. Uhl, AGH University of Science and Technology (PL)
-
- 17:40 **Discussion**

19:00 Conference Dinner at Kraftverkehr

Awarding of
Best Paper,
Poster & Creative
Awards



Handling system
for the micro injection moulding process

Session 4
Smart Systems Integration

Room: C10.111

- 16:00 **Influences of molecular structure and additives of polymers on complex permittivity for radar sensors**
T. Bonfig, Volkswagen AG
-
- 16:20 **Reflection based Strain sensing using metamaterials**
T. D. Großmann, Fraunhofer Institute for Electronic Nano Systems ENAS
-
- 16:40 **Technologies for the integration of active flow control in rotor blades**
A. Ihl, INVENT GmbH
-
- 17:00 **High performance MWCNTs/epoxy nanocomposite sensors for multi-purposes sensing in structural health monitoring**
Dr. A. Bouhamed, Chemnitz University of Technology
-
- 17:20 **Laser processing of semiconductor materials for failure analysis**
Dr. M. Grimm, 3D-Micromac AG
-
- 17:40 **Discussion**

19:00 Conference Dinner at Kraftverkehr

Awarding of
Best Paper,
Poster & Creative
Awards



Insights into the
selective laser melting process

MERGE Technology Centre

Composite press
with approx. 25000 kN
pressing force

PROGRAMME

Thursday, 19th September

Parallel Sessions

09:30 - 16:30

Tour MERGE Technology Centre

10:45 - 11:45



Second Conference Day

Thursday, 19th September

Registration from 9:00

Room C10.113

Session 1.2

Materials, Semi-Finished Products and Composite Structures for Lightweight Design

Room C10.111

Session 2.2

Processing, Systems and Applications for the Mass Production of Lightweight Structures

09:30 - 10:45

Guided tour MERGE Technology Centre | Trade Fair
Lunch

Room C10.113

Session 1.3

Materials, Semi-Finished Products and Composite Structures for Lightweight Design

Room C10.111

Special Topic MERGE

Six Successful Years of Research

12:30 - 14:00

Networking Coffee | Trade Fair

Room C10.112

Session 1.4

Materials, Semi-Finished Products and Composite Structures for Lightweight Design

14:30 - 16:30

Closing Remarks



Guided Tour

19/09/2019 | 10:45 - 11:45

Guided tour through the MERGE Technology Centre and to the shell of the new laboratory building

Starting point: information point on the ground floor of the conference venue

Thursday, 19th September

Part I/II: Two Parallel Sessions 09:30 - 14:00

Session 1.2 Materials, Semi-Finished Products and Composite Structures for Lightweight Design

Room: C10.113

09:30 **Redesigned insulation corkboards for effective composite sandwich panels**

P. R. Nóvoa, University of Porto (PT)

09:50 **Using nature as inspiration for developing high performance composites**

Prof. L. C. Henderson, Deakin University (AU)

10:10 **Bonding strength of FRP-metal hybrids**

Dr. G. Sebastiani, imk automotive GmbH

10:30 **Discussion**

**10:45 - 11:45 Guided Tour MERGE Technology Centre | Trade Fair
11:45 - 12:30 Lunch**

Session 1.3 Materials, Semi-Finished Products and Composite Structures for Lightweight Design

Room: C10.113

12:30 **Crash absorbing metal wire reinforced plastics**

C. Ehemann, Chemnitz University of Technology

12:50 **Temperature dependent shear properties of carbon/glass hybrid unidirectional thermo-plastic composite**

A. Maier, BMW Group

13:10 **Thermoplastic foam injection moulding of various sandwich material systems using physical foaming agents**

Dr. M. Kliem, Kunststoff-Zentrum in Leipzig gGmbH

13:30 **FRP stirrup for reinforcing concrete structures**

M. Lindner, Chemnitz University of Technology

13:50 **Discussion**

14:00 - 14:30 Networking Coffee

Session 2.2 Processing, Systems and Applications
for the Mass Production of Lightweight Structures

Room: C10.111

09:30 **Hollow profile hybrid: Development of a new technology for plastic/metal hybrid parts**
Dr. M. Theunissen, LANXESS Deutschland GmbH

09:50 **"3D-Lofter": A new nonwoven technology for three-dimensional fibre structures**
J. P. Dilo, DiloGroup

10:10 **Fatigue behaviour of material-adapted FRP/metal-joints**
C. Gerstenberger, Chemnitz University of Technology

10:30 **Discussion**

10:45 - 11:45 Guided Tour MERGE Technology Centre | Trade Fair
11:45 - 12:30 Lunch

Special Topic MERGE
Six Successful Years of Research

Room: C10.111

12:30 **Capabilities of multifunctional textiles for the integration in lightweight structures**
B. Arnold, Chemnitz University of Technology

12:50 **Intrinsic hybrid composite combining in-situ generated form-fit and an innovative interfacial coating**
A. Dittes, Chemnitz University of Technology

13:10 **Strain measurements with fibre Bragg grating sensors under inhomogeneous deformations**
S. Hannusch, Chemnitz University of Technology

13:30 **Growing networks: MERGE and its pan-european cluster cooperations**
Dr. K. Schöps, Chemnitz University of Technology

13:50 **Discussion**

14:00 - 14:30 Networking Coffee

Thursday, 19th September

Part III: One Session 14:30 - 16:30

Session 1.4 Materials, Semi-Finished Products and Composite Structures for Lightweight Design

Room: C10.112

- 14:30 **Carbon nexus: Creating a carbon fibre industry for Australia**
Prof. R. J. Varley, Deakin University (AU)
-
- 14:50 **Bicycle frame from hemp fibre filament wound composites**
Assoc. Prof. A. Chaikittiratana, King Monkut's University of Technology North Bangkok (TH)
-
- 15:10 **Metallized carbon fibers**
Dr. F. Böttger-Hiller, inca-fiber GmbH
-
- 15:30 **Processing and structural characteristics of thermally stable lignin and textile grade polyacrylonitrile based precursor fibers**
M. Al Aiti, Leibniz Institute of Polymer Research Dresden (IPF)
-
- 15:50 **Discussion**
-
- 16:00 **Closing Remarks**
**Lightweight construction made in Chemnitz:
Future challenges and scientific outlook**
Prof. L. Kroll, Chemnitz University of Technology
-



High-pressure valve block for primary flight control in aircraft construction



Innovative design can make anything lighter

We develop and implement intelligent simulation technologies that allow you to find the optimal balance between weight, performance and cost for your products. Applying simulation technologies upfront in the design process, and allowing them to inform product development activities, means you can meet your performance targets while designing weight out of your product.

Don't miss our presentation „Process simulation and temperature-dependent failure analysis of continuous fibre-reinforced thermoplastics“ on September 18 at 4.00pm in room C10.113!

Learn more at [altair.com/lightweight](https://www.altair.com/lightweight)



Industrial Advisory Board

(in alphabetical order)

A&E Produktionstechnik GmbH, DE	Dr. Reichert, Volker
Airbus Operations GmbH, DE	Harten, Oliver
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KraussMaffei Technologies GmbH, DE	Dr. E. h. Holzinger, Georg P.
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Siemens AG, DE	Dr. Wicke, Joachim

Participating Institutions of MERGE

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 TenCate Advanced Composites bv, NL
 TER Plastics Polymer Group, DE
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 Veritas AG, DE
 Voith Turbo GmbH & Co. KG, DE
 VW, Volkswagen Group, DE
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 Westfalia Presstechnik GmbH & Co. KG, DE

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 Toscani, Lucie
 Dr. Kolshorn, Kay-Uwe
 Prof. Fiebig, Siegfried
 Dr. Schauerte, Oliver
 Beltrame, Nico

Conference Committee

(in alphabetical order)

Prof. Renata Antoun Simão	Chair of Metallurgical Engineering and Materials, University of Rio de Janeiro, BR
Prof. Stefania Bruschi	Full Professor at Centre of Mechanics of Biological Materials, University of Padova, IT
Prof. Arisara Chaikittiratana	Head of Department of Mechanical & Aerospace Engineering, King Mongkut's University of Technology North Bangkok, TH
Prof. Edward Chlebus	Professor of Faculty of Mechanical Engineering, Wrocław University of Technology, Wrocław, PL
Prof. Welf-Guntram Drossel	Executive Director of Fraunhofer Institute for Machine Tools and Forming Technology (IWU), Chemnitz, DE
Prof. Helmut H. Hergeth	Associate Professor, College of Textiles, Department of Textile and Apparel, Technology and Management, North Carolina State University, US
Prof. Jörn Ihlemann	Vice President for Research and Junior Researchers, Professorship of Solid Mechanics, Chemnitz University of Technology, Chemnitz, DE
Prof. Lothar Kroll	Coordinator Cluster of Excellence MERGE, Chemnitz University of Technology, Chemnitz, DE
Prof. Tadeusz Łagoda	Vice President for Research and Development, Opole University of Technology, Opole, PL
Prof. Thomas Lampke	Dean of the Faculty of Mechanical Engineering, Professorship of Materials and Surface Engineering, Chemnitz University of Technology, Chemnitz, DE
Prof. Daisy Nestler	Head of Endowed Chair Textile Plastic Composites and Hybrid Compounds, Chemnitz University of Technology, Chemnitz, DE
Prof. Thomas Otto	Director (acting) of Fraunhofer Institute for Electronic Nano Systems (ENAS), Chemnitz, DE

General Information

CONFERENCE VENUE

Chemnitz University of Technology
Lecture Hall Building
Reichenhainer Straße 90
09126 Chemnitz, Germany

CONFERENCE FEE

2-Day Ticket 18 th - 19 th September 2019	350,00 EUR
includes evening event	
1-Day Ticket 18 th September 2019	250,00 EUR
includes evening event	
1-Day Ticket 19 th September 2019	150,00 EUR
2-Day Ticket for the members of Industrial and Scientific Advisory Board and the MTC e. V.	200,00 EUR
includes evening event	
Participants with lecture and poster presentation	150,00 EUR
includes evening event	
Chemnitz University of Technology employees	150,00 EUR
includes evening event	
Students	30,00 EUR
without framework programme and conference documents (not valid for PhD students, certificate of enrolment has to be shown prior to the conference)	

REGISTRATION

The online registration will be available until **31st August 2019** on our website www.tu-chemnitz.de/IMTC

TERMS OF PAYMENT

Payment is only possible by bank transfer once an invoice has been issued. Cash or card payments at the conference will not be accepted. In case of cancellation until the 15th of August 2019 (date of email receipt) the registration fee will be refunded with a deduction of 10.00 EUR. Cancellations after this date are not possible.

CONFERENCE LANGUAGE

The conference will be held in English.

EXHIBITION & SPONSORSHIP

If you are interested in presenting your company please contact Diana Schreiterer via imtc@tu-chemnitz.de

CHILD CARE

It goes without saying that the implementation and protection of equal rights for scientists is taken seriously at MERGE. If you need someone to look after your child, please let us know.

CONTACT

General Organisation

Diana Schreiterer
Phone: +49 371 531-35267

Dr. Isabelle Roth-Panke
Phone: +49 371 531-35632

Email: imtc@tu-chemnitz.de

Scientific Organisation

Elisa Sommer
Phone: +49 371 531-34923

Dr. Michael Heinrich
Phone: +49 371 531-32318

INTERNET

Wi-Fi will be available for all conference participants. The necessary login details will be given to you on the day of the event.

ACCOMMODATION

The following hotels offer special conditions for participants. To obtain the key word and further information, please contact the organisation team:

Seaside Residenz Hotel Chemnitz 4*

Bernsdorfer Straße 2, 09126 Chemnitz
Phone: +49 371 355 10
www.residenzhotelchemnitz.de
Distance to the conference venue 1.5 km

Dorint Kongresshotel Chemnitz 3*

Brückenstraße 19, 09111 Chemnitz
Phone: +49 371 683 0
www.hotel-chemnitz.dorint.com
Distance to the conference venue 2.8 km

Hotel an der Oper Chemnitz 4*

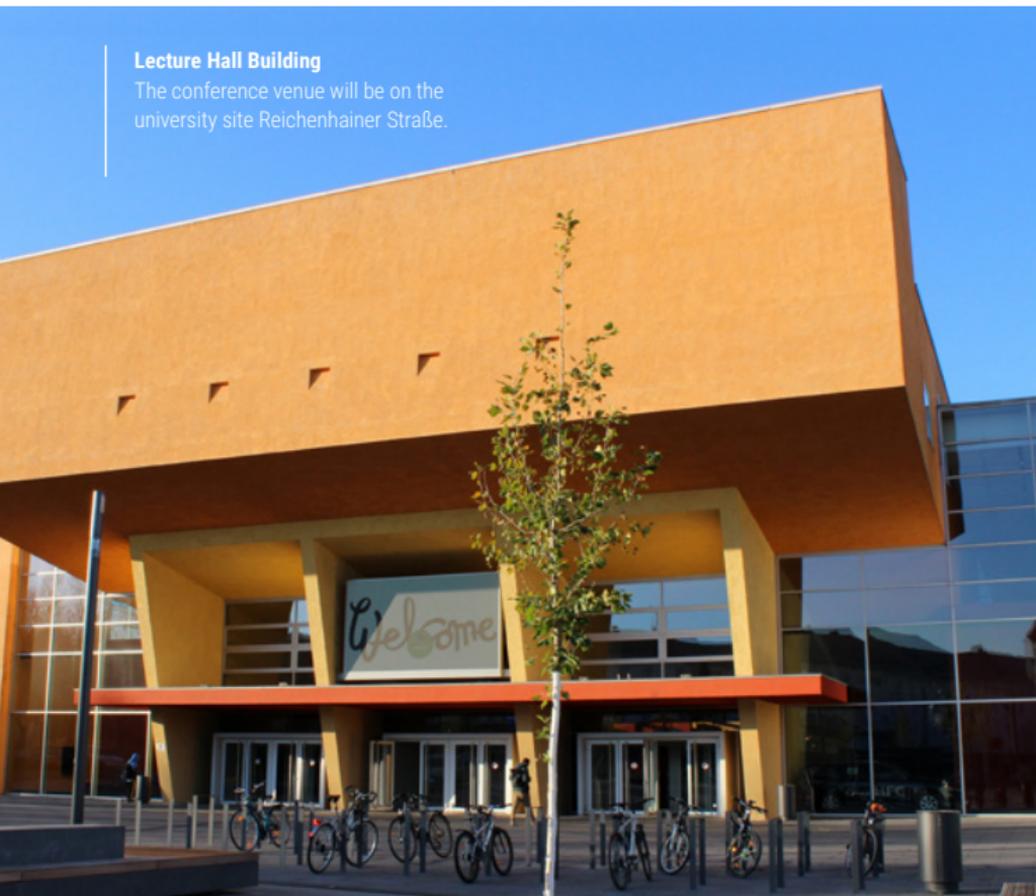
Straße der Nationen 56, 09111 Chemnitz
Phone: +49 371 681 0
www.hoteloper-chemnitz.de
Distance to the conference venue 3.1 km

Hotel Chemnitzer Hof 4*S

Theaterplatz 4, 09111 Chemnitz
Phone: +49 371 684 0
www.chemnitzer-hof.de
Distance to the conference venue 3.2 km

Lecture Hall Building

The conference venue will be on the university site Reichenhainer Straße.



General Information

ARRIVAL

Parking spaces are available. Current information can be found at www.tu-chemnitz.de/IMTC.

By Train

From the main station you can reach the Lecture Hall Building by taxi or tram. Take the tram line C13, C14, C15 or 3 towards "Technopark" at platform 1-4 and get off at "TU Campus". The Lecture Hall Building is located on the right side of Reichenhainer Straße, facing the direction of travel.

By Plane

Starting from Dresden airport (approx. 84 km by car):

Take motorway A4 and exit at **Chemnitz-Mitte**.

Starting from Leipzig/Halle airport (approx. 95 km by car):

Take the A14 motorway in the direction of Dresden. At the Parthenaue junction take the A38 towards Göttingen/Leipzig-Südost. Exit at Chemnitz/Borna onto the B2/B95/motorway A72 direction Chemnitz and exit at **Chemnitz-Süd**.

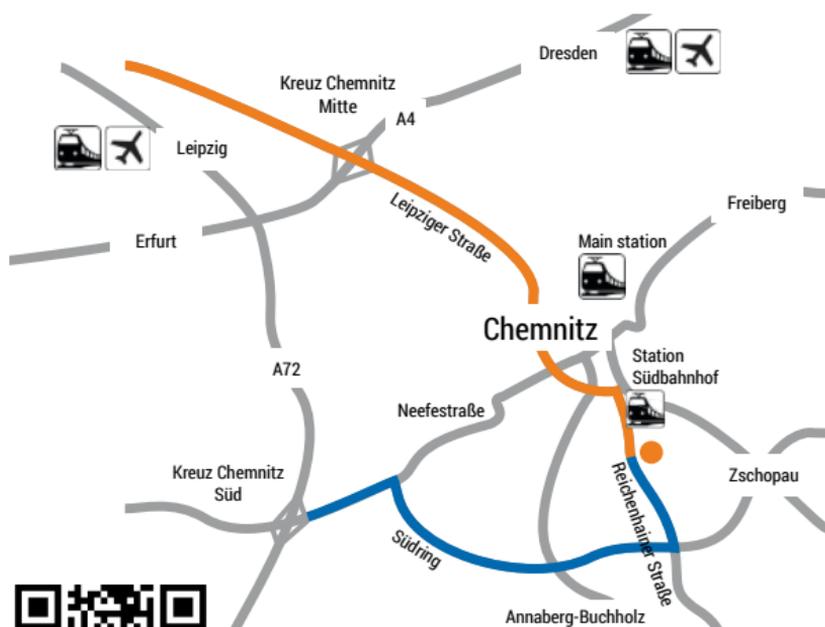
SERVICE

Taxi

Taxi Genossenschaft Chemnitz eG
Phone: +49 371 36 9000
www.taxi-chemnitz.de

Public Transport

CVAG Chemnitzer Verkehrs-AG
Phone: +49 371 2370 333
www.cvag.de



MERGEurope

Lightweight Innovation Network



MERGEurope forms a network for international competitiveness of the leading European regions of lightweight design and aims to bridge the gaps between science and industry.

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