



Optional Campus Tours | Campus Boulevard 30 | 52074 Aachen

Part Three | Speed Dating and Technology Insights

Part One | Optional Institute Visits – Guided Tours to AZL Partner Institutes and Campus Centers

- 09:30 Registration
- 10:00 Guided Tours (please choose during registration)
 - Tour 1: Lightweight Tour
 - Machinery Halls of AZL, IPT, ITA and IKV
 - Tour 2: Non-Lightweight Tour
 - Center for Wind Power Drives (CWD), full-scale testing facility for wind energy nacelles
 - Cluster for Smart Logistics and Reference Factory Industry 4.0, R&D on solutions for the flow of information and goods in the cyber-physical world of the future
 - Cluster Photonics, laser technology and additive manufacturing
- 12:00 Bus Transfer to Tivoli | Car park available (overnight stay possible)

Official Beginning @ Tivoli Aachen | Krefelder Str. 205 | 52070 Aachen

Part Two | Opening and Activity Review

- 12:30 Registration and Business Lunch
- 13:00 **Welcome and Introduction of all Participants**
Dr. Michael Emonts | Dr. Kai Fischer | Dr. Michael Effing
- 14:00 **Running Partnership Activities**
- 15:30 Networking Break

16:00 Speed Dating Presentations | First Session

- Schunk Kohlenstofftechnik GmbH | Dr. Hartmut Gross | Title tbd
- Berndorf Band Engineering GmbH | Dominik Inschlag | “Continuous consolidation of UD tapes with a double belt press”
- Textechno Herbert Stein GmbH & Co. KG | Dr. Stefan Fliescher | “Testing systems for composites”
- Cato Composite Innovations BV | Joost van Lindert | “High volumes production for sporting goods and furniture applications”
- Gurit Ltd. | Dr. Dan Jones | Title tbd
- Hille Engineering GmbH & Co. KG | Lukas Schulz | “Innovating the filament winding process - combining CNC-based robotics with Hille's highly-precise winding technologies”
- Institut für Textiltechnik of RWTH Aachen University | Max Schmidt | “Thermoplastic coating for tows and tapes”
- Compoform BV | Martijn Kalle | “The sandwich will save the world”
- Michelman SARL | Gilles LeMoigne | “Michelman – the interface expert”
- Hengrui Corporation Limited | Dr. Timo Huber | “Innovative composite lightweight solutions for small series to high volume applications”

17:00 Networking Break

17:30 Technology Insights

- European 4.0 Transformation Center GmbH (E4TC)
- Yizumi Germany GmbH

18:30 Keynote Presentation

“Model-based System Engineering as a solving approach for multi-model and multi-criteria optimization in material combinations”, Prof. Dr. Georg Jacobs | Head of the Institute for Machine Elements and Systems Engineering

19:00 Bus Transfer to Campus

19:30 Networking Dinner

Meeting Organisation

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Part Four | Keynotes and Activity Outlook

08:30 Registration

09:00 Welcome and Review of the first Day

Dr. Michael Emonts | Dr. Kai Fischer | Dr. Michael Effing

09:10 Opening Remarks

Prof. Dr. rer. nat. Dr. h. c. mult. Ulrich Rüdiger | Rector of RWTH Aachen University

09:20 Keynote Presentations

“Digitalization Strategies in Plastics Design and Manufacturing”, Prof. Dr. Christian Hopmann | Head of the Institute for Plastics Processing (IKV) in Industry and Craft at RWTH Aachen University and Co-Founder of the AZL

09:50 “Future Mobility- Concept for our cities”, Prof. Dr. Achim Kampker | Founder of the Chair of Production Engineering of E-Mobility Components (PEM), Co-Founder of Streetscooter

10:20 Networking Break

10:50 “The Federal Ministry for Economic Affairs and Energy’s Lightweighting Initiative today”, Werner Loscheider | Federal Ministry of Economics and Energy, BMWi

11:10 Starting Partner Activities:

- Market- and Technology Analyses focussing Lightweight Technologies
 - Next Generation Mobility Solutions
 - Artificial Intelligence in Design and Manufacturing
- Consortial Projects
 - Marketing and Development Tool: Creating higher-level system models for efficient calculation of KPIs
 - Inductive Double Belt Press Follow-up Project with Focus on Process Evaluations (Impregnation, Consolidation)

12:15 Networking Lunch

Part Five | Speed Dating and Future Business Opportunities

13:15 Speed Dating Presentations | Second Session

- Sabic Innovative Plastics GmbH | Gino Francato | “Thermoplastic continuous fiber composites. Innovative technologies for mass production”
- Katcon S.A. de C.V. | Oscar Salinas | “KATCON cooperation with MAGNA on the composite body parts using a proprietary sandwich technology”
- Johns Manville | Dr. Dana Miloaga | “Johns Manville at a glance”
- Institute of Plastics Processing (IKV) in Industry and the Skilled Crafts at RWTH Aachen University | Daniel Schneider | „Characterization of SMC and tapes for process- and structural simulation”
- Netzsch Gerätebau GmbH | Dr. Alexander Chaloupka | „No automation without process and material information – How NETZSCH and KISTLER will revolutionize intelligent sensor systems”
- Mitsubishi Chemical Europe GmbH | Dr. Thorsten Kiehne | “Introduction to Mitsubishi”
- Sino Polymer Co. Ltd. | Daniel He | “Sino Polymer, global matrix resin provider - Your gateway to China”
- Exel Composites Oyi | Jari Sopanen | Title tbd
- Rein4ced NV | Dr. Michaël Callens | “Automated manufacturing of next generation bicycle frames in Belgium”
- Conbility GmbH | Thomas Weiler | “Laser-assisted conversion of tapes to tailored blanks”

14:15 Networking Break

14:30 Podium Discussion addressing the Future Perspective on Lightweight Technologies

15:30 End of Meeting and optional get together in VIP Lounge

17:30 Optional: Training Game of Germanys National Soccer Team | free ticket included