

Conference and B2B Matchmaking SMART SENSORS and data transfer - a challenge for the Internet of Things (IoT) and beyond

16th – 17th October, 2018 in ERFURT / Germany
comcenter Brühl D-99084 Erfurt, Mainzerhofstr. 10, Germany

Registration: until Oct.11th 2018

Matchmaking: submission of cooperation profiles: Oct.11th 2018

Request - / accept- / decline B2B meetings: Oct. 16th 2018

elmug4future is the annual networking event of the elmug cluster since 2010, with more than 100 high tech participants, focused on **smart sensors and systems** for different applications.

The two-day event with an **international allure** comprises an inspiring conference, exhibition and **matchmaking event**.

elmug – the network of experts for electronic measurement and engineering equipment in Thuringia is focusing the following **topics** for this years issue of elmug4future:

- **Sensor technologies, multisensorics**
- **Measuring technologies**
- **Micro-nano integration**
- **Smart electronics**
- **Data protection**
- **User interfaces**
- **Cloud technologies**
- **Internet of Things (IoT)**

Applications are multifold, e.g. life sciences, energy & environment, security,

Pre-arranged B2B meetings (20' each) are organized in order to establish new cross-border contacts for future collaboration.

The **Matchmaking event** takes place on both days in particular sessions in a quite area beside the conference rooms.

1. **Registration and submission** of (at least) one cooperation profiles (Tech-Offer/ - Request/Expertise)
2. **Selection of of B2B meetings** with potential cooperation partners
3. The **final updated meeting schedule** will be forwarded just before the matchmaking event.

Costs for Matchmaking: free of charge for registered participants!

Conference fees: between 100 € - 550 €

Special rate for foreign participants: 100 €

The Foundation for Technology, Innovation and Research Thuringen (STIFT), host organization of Enterprise Europe Network in Thuringia, invites you to participate in this event. For expressions of interest to become a co-organiser please

contact: Elke Römhild

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Registration and Details: <https://elmug4future2018.b2match.io>

AGENDA

Tuesday 16 th Oct. 2018	09:15 – 09:30	Welcome Prof. Tobias Reimann; ISLE GmbH; scientific advisory board of the program committee
	09:30 – 10:30	Keynote: Sensor Technologies 2022 Peter Krause; first sensor AG & AMA Vorstand; Berlin
	10:30 – 11:00	Networking
	11:00 – 13:00	Governmental Regulations - Curse or Blessing? - Digital Transformation - case studies from the net sectors, challenges and opportunities Doris Gemeinhardt-Brenk; Federal Network Agency for Electricity, Gas, Telecommunications, Post and Railway - What happens if the software misinterprets the sensor data? Dr. Steffen Burrer; University of Bayreuth - Industry „Fo(u)r.Zero“? Cloudification - What is there to consider? Thomas Uhlemann, ESET Deutschland GmbH
	13:00 – 14:00	Matchmaking Session 1 Lunch Break
	14:00 – 16:00	Personal Data on the Internet - public good versus vitreous human - Why 60 minutes not always make 1 hour - concepts of time in different Cultures Sabine Vana-Ströhla; Intercultural Training - Just. talk. to each other... Klaus Ulitzsch; IKS Service GmbH - 5 months after DSGVO - where are my data? Heiko Langenhan; Computer System GmbH Ilmenau - The human kind as cue ball of increasing digitalization? Ethical considerations Prof. Josef Römelt; University of Erfurt
	15:30 – 16:30	Matchmaking Session 2 Networking Break
	16:00 – 17:30	Panel Discussion Discussion about the effects of digitization on us and our work
	17:30 – 19:00	Dinner
	19:00 – 23:30	Get-together/Cultural Event
	Wednesday 17 th Oct. 2018	09:00 – 10:30
09:00 – 10:30		Sensors & Applications - Surface based thermopiles Frank Hänschke; Leibniz-Institut für Photonische Technologien - Methods for non-destructive material testing based on permanent magnets Jan Marc Otterbach; TU Ilmenau - EMC requirements for functional safety Dr. Michael Naß; CE-LAB GmbH - Miniaturized VOC/CO2 sensor with thermally pulsed semiconductor sensor for applications in buildings and vehicles Dr. Olaf Kiesewetter, UST Umweltsensortechnik GmbH
10:30 – 11:30		Matchmaking Session 3 Networking Break
11:00 – 12:30		Interfaces & Platforms 2 - MQTT for next to nothing - low cost sensor data to the cloud Remo Reichel; SOLVIMUS GmbH - Creating the Internet of Cargo Orlando Remédios; Sensefinity - Individual process monitoring as a service Dr. Matthias Carlstedt; KOMPASS GmbH - Low-cost digitalization of the factory for small and medium-sized enterprises - a great opportunity for the Thuringian industry Thomas Rücker, CEO, Institut für Produktionsorganisation und Logistik GmbH
11:00 – 12:30		Sensors & Applications 2 - Technical solutions for robust industrial pressure sensors for harsh environmental conditions and high temperatures Prof. Dr. Thomas Ortlepp, CEO, CIS Forschungsinstitut für Mikrosensorik GmbH - Textile gesture sensors Matthias Jahn; ITP GmbH; SmartTex Netzwerk - Environmental sensing technologies in Europe's research infrastructures: methods, scales and harmonization Dipl.-Geophys. Hannes Mollenhauer; Helmholtz Centre for Environmental Research - UFZ - Blue light instead of red eyes - UV radiation for the disinfection of swimming pool water MSC Hannes Prause; IL Metronic Sensortechnik GmbH
12:30 – 14:00		Matchmaking Session 4 Lunch
14:00 – 15:30		Analog meets Digital (conference conclusion) - Predictive Analytics & Big Data: challenges and opportunities Konstanze Olschewski; Alpha Analytics UG (haftungsbeschränkt) & Co. KG - Digital service models - new sales channels for the plant construction and engineering sector Patrick Franke; NXTGN Solutions GmbH - E-commerce as a starting point for sustainable digital transformation in companies Dr. Jürgen Nützel; 4FriendsOnly.com Internet Technologies AG - Demonstrators and practical examples of the Competence Center „Mittelstand 4.0“ Ilmenau Dr. Jörg Weber; IMMS GmbH; Kompetenzzentrum Mittelstand 4.0