



**- Invitation to the 15th Anniversary of Lab MST on Friday, 6 December 2019, 13:30,
Barkhausen-Bau, Room 106, Helmholtz Str. 18, 01069 Dresden -**

We are happy to cordially invite you to celebrate the 15th birthday of the
Chair and Laboratory Mess- und Sensorsystemtechnik (MST) of
Faculty Electrical and Computer Engineering (ET-IT) of TU Dresden

Agenda of the Workshop on Novel Measurement Systems

Moderation of the Workshop (Session 1): Prof. Gerlach

13:30 – 14:10	Past, Present and Future of Measurement Systems Engineering for a Sustainable
Juergen Czarske	Progress in Technical Processes and Biomedicine - 5 years Reinhart Koselleck Project of DFG
14:10	Opening address of the Dean of Faculty ET-IT, Prof. Tetzlaff Greetings of the company Sick Engineering GmbH, Dr. Ehrlich
14:25 – 15:25	Session 1
Volker Busskamp	Optogenetic control of human stem-cell-derived neurons (20 min)
University of Bonn	
Mariana Medina Sanchez	Micro-Swimming Robotic Sperm, Rheology and Metrology (20 min)
IFW Dresden	
Sebastian Burgmann	Flow Studies for Energy Efficient Fuel Cells (20 min)
University of Wuppertal	
15:25 – 16:00	Coffee break
16:00 - 17:00	Session 2
Sven Eckert	Ultrasound Based Instrumentation for Liquid Metal Flows (20 min)
HZDR	
Oliver Otto	Optical Rheology of Tissues in Virtual Fluidic Systems (20 min)
University of Greifswald	
Michael Steinke	Glass Fibers for Gravitational Wave Measurements and Endoscopy (20 min)
University of Hannover	
17:00 – 18:00	Lab-Tour, BAR 12
18:00 – 21:00	Party - Get-together with free draft beer Awarding of the Sick Young Talent Prize to Tilo Stock, Foyer

The presentation slides are in English, the talks can be held in German or English.

Next year, the world congress of International Commission for Optics (ICO) and International Society for Optics in the Life Sciences (OWLS) will be in Dresden, see <https://www.ico25.org>. The ICO is an umbrella organization with 7 scientific member organizations (OSA, SPIE, IEEE, EOS, ...) covering all major topics of optics and photonics. The theme of the ICO-OWLS congress is "Progress of society with light". Please consider to submit a paper.

We look forward to welcoming you in Dresden to our anniversary and party. Warmly,

Jürgen Czarske

Postadresse (Briefe)
TU Dresden,
01062 Dresden

Besucheradresse
Helmholtzstr. 18
01069 Dresden

Steuernummer
(Inland)
203/149/02549

Bankverbindung
Commerzbank AG,
Filiale Dresden

Postadresse (Pakete u.ä.)
TU Dresden,
Helmholtzstraße 10,
01069 Dresden

 *Zufahrt für
Rollstuhlfahrer*
Helmholtzstr. 18,
Eingang Nord

Umsatzsteuer-Id-Nr. (Ausland)
DE 188 369 991

IBAN
DE52 8504 0000 0800 4004 00
BIC COBADEFF850

Internet <https://tu-dresden.de>

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