



Anniversary Symposium "Microsystems for a Smart and Sustainable Future"

Celebrating 35 Years ZfM – Center for Micro and Nano Technologies

For three decades, the Center for Micro and Nano Technologies (ZfM) at Chemnitz University of Technology has served as a research beacon, bridging the gap between academic excellence and industry in Silicon Saxony. As a leading research center, we develop the micro- and nanosystems of tomorrow – with a focus on miniaturization, performance, and resource efficiency.

On the occasion of our anniversary, we showcase how excellent research and teaching shape the practice of today and tomorrow. Join us as we celebrate together, discover highlights from microelectronics, experience virtual cleanroom tours, and network to set further milestones for sustainable technology innovations.



September 9, 2026
From 09:30



Garagen-Campus
Zwickauer Str. 164
09116 Chemnitz

Agenda

Welcome Addresses (10:00 - 12:00)

Moderation: Ms. Uta Georgi.

The ceremony will be held in German with simultaneous translation (German-English).

10:00 Welcome and Musical Introduction

10:15 **Peter Bernshausen**, Chancellor of Chemnitz University of Technology

10:25 **Michael Kretschmer** Prime Minister of the Free State of Saxony

10:40 **Sven Schulze** Mayor of the City of Chemnitz

10:50 Musical Accompaniment

10:55 **Video messages from around the world**

11:05 **Prof. Dr. Harald Kuhn**, Director of the ZfM

"Von der Wissenschaft in die Zukunft: Wie Chemnitzer Mikrotechnologien die Welt transformieren"

11:10 **Conversation between PM M. Kretschmer and Prof. Dr. H. Kuhn**

11:25 **Farewell of PM M. Kretschmer**

11:25 Musical Accompaniment

11:30 **Dr. Elisabeth Steinmetz**, European Research Platform Smart Systems Integration

(EPoSS) *"Europäische Kooperation: Neue Chancen und derzeitige Herausforderungen für die Forschung"*

11:45 **Prof. Dr. Martin Hoffmann**, ForLab

"Die Forschungslabore Mikroelektronik Deutschland (ForLab) und ihr Beitrag für die Mikroelektronik der Zukunft"

12:00 Lunch break with finger food

Technical Presentations / Keynotes (13:00 - 17:30)

The scientific symposium will be held in English.

13:00 Celebrating the 35th Anniversary of ZfM & Collaboration with Tohoku University Japan

Prof. Dr. Masayoshi Esashi, Tohoku University Japan

13:10 MEMS: Over Three Decades of Innovation – A Success Story Driving Future Innovation

Dr. Stefan Leidich, Robert Bosch GmbH

13:35 Spin-Qubits for Quantum Computing

Dr. Claus Dahl, Infineon Technologies Dresden AG & Co. KG

14:00 Glass Frit Wafer Bonding: From a PhD Thesis up to a Temperature Sensor in Samsung Galaxy Watch 5

Prof. Dr. Roy Knechtel, Hochschule Schmalkalden

14:25 Challenges and Opportunities of 3D System Integration

Gerald Beyer, IMEC

14:45 Plasma in Motion

Dr. Matthias Nestler, scia Systems GmbH

15:00 Coffee break

15:45 Bipolar Degradation in SiC Power Semiconductors - Still a Problem?

Prof. Dr. Thomas Basler, TU Chemnitz

16:00 Sustainable Manufacturing of Semiconductors

Dr. Jörg Schuster, TU Chemnitz

16:15 Sustainability by Design – From Nanomaterials to Sensor Systems

Prof. Dr. Olfa Kanoun, TU Chemnitz

16:30 Beyond the Lab: CNT-Based 1D Semiconductor Platform for Electronics and Sensing

Dr. Sascha Hermann, TU Chemnitz

16:45 Magnetic Field Effects in Organic Electronics

Prof. Dr. Georgeta Salvan, TU Chemnitz

17:00 Next Generation Artificial Intelligence

Dr. Sven Zimmermann, TU Chemnitz

17:15 Multi-Scale Thermo-Mechanics for Electronics Packaging

Prof. Dr. Bernhard Wunderle, TU Chemnitz

17:30 The Future is Bright – Photonic Integrated Components for Next Generation Sensors

Dr. Chris Stöckel, TU Chemnitz

Starting at 18:00, we'll wrap up the evening together with a buffet and music