

PROGRAM*

**Wednesday,
May 20, 2026**

12:00 | **Participant Registration**

13:00 | **Welcome Words & Opening**
 Hadi Mozaffari, Hochschule Furtwangen
 University, Germany
 Udo Klotzbach | EFDS e.V.

Session 1 | Biosensors for Medicine and Diagnostics

13:25 | **Opening Keynote**
 Karsten Seidl, Fraunhofer IMS, Germany

13:55 | **UADD – UrinAlysis Digital Dipstick: Advancing a Self-Powered, Device-Free, Single-Use Platform for Multiplexed Quantitative Urinalysis at the Point of Care**
 Dr. Loïc Burr | csem, Switzerland

14:15 | **Ferroelectric Microelectrodes for Biomedical Applications**
 Maximilian Becker | Hahn-Schickard, Germany

14:35 | **Gas Sensor for Environmental and Health Monitoring: From Materials and Devices**
 Andreas Güntner | ETH Zürich, Switzerland

14:55 | **Atmospheric-Pressure Plasma for Biosensor Fabrication: From Antifouling Films to Single-Step Biomolecule Deposition**
 tbc. | Molecular Plasma Group bv, Belgium

15:15 | **COFFEE BREAK with POSTER SESSION**

Session 2 | Photonic & Optical Sensors

16:00 | **tbc.**
 Karolien Jans | imec, Belgium

16:20 | **Enabling technologies for optical and quantum sensors**
 Mathias Kaschel | Institut für Mikroelektronik Stuttgart (IMS CHIPS), Germany

16:40 | **New Materials for Environmental Sensors – Distributed Mercury Sensors**
 Christoph Kaiser | INM - Leibniz-Institut für Neue Materialien gGmbH, Germany

17:00 | **Multiplexed, label-free biosensing with plasmonic nanoparticles**
 Wolfgang Fritzsche | Leibniz Institute of Photonic Technology (IPHT) Jena, Germany

17:20 | **BREAK**

Session 3 | Microfluidics Applications

17:30 | **tbc.**
 Dr. Samir Kadic | Robert Bosch GmbH, Germany

17:50 | **Summary of the First Workshop Day**

18:00 | **End of 1st Workshop Day**

GET TOGETHER

19:00 – 22:00 | **JOINT DINNER**

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**Thursday,
May 21, 2026**

08:00 | Registration

Laboratoy tour of the Hahn-Schickard Institute

08:30 | Departure from Tuttlingen University Campus to Villingen-Schwenningen

09:30 | Laboratory Tour

11:15 | **Lunch**

12:00 | Coach transfer to Tuttlingen University Campus

Session 4 | Printed and Flexible Sensor Technology

13:00 | **A thin-film-transistor platform for large-scale, high-resolution neural interfacing**
 Sebastian Haesler | KU Leuven, Belgium

13:20 | **Printed & Flexible electrochemical Sensors for Nucleic Acid Detection**
 Eva Melnik | AIT Austrian Institute of Technology GmbH, Austria

13:40 | **High resolution printing and hybrid integration for scalable sensor manufacturing**
 Jaakko Leppäniemi | VTT Technical Research (R2R), Finland

14:00 | **COFFEE BREAK with POSTER SESSION**

Session 5 | Implantable Sensors and Encapsulation

15:00 | **Advanced CVD Coatings: Innovations in Functional Surface Engineering and High-Performance Barriers**
 Andreas Hogg | Coat-X SA, Switzerland

15:20 | **ALD for Encapsulation – Analysis and Challenges**
 Dorothee Deschmann | Fraunhofer IMS, Germany

15:40 | **Subject: Retina-Implantat RTG InnoRetVision**
 Xuan Than Vu | RWTH Aachen, Germany

16:00 | **An Industry Perspective | The now and future of smart implants - a Horizon Europe project**
 Michael Utz | Aesculap AG, Germany

16:20 | **Summary of the Second Workshop Day**

16:30 | **END OF THE WORKSHOP**