

KIT Center Materials in Technical and Life Sciences



Materials Day 2026

"New Opportunities in 3D-Printing"

October 20th, 2026 from 9:00 (registration from 8:30 on) am to 5:00 pm

Auditorium at the "Fortbildungszentrum für Technik und Umwelt (FTU)"

KIT Campus North

Program

Registration from 8:30 - 9:00 am

09:00 - 09:30	Welcome by the KIT Vice Provost for Research Prof. Dr.-Ing. Ina Schaefer
	Welcome - MaTeLiS News Prof. Dr. Wolfgang Wenzel / Dr. Nathalie Matter-König
09:30 - 10:00	Volumetric Printing by Reverse Tomography: A New Paradigm in Additive Manufacturing Prof. Dr. Christophe Moser
10:00 - 10:30	Poster Pitches
10:30 - 11:00	Networking – Poster Session
11:00 - 11:30	New Opportunities in Metal Additive Manufacturing: From Multi-Metal to Metal-Ceramic Architectures Dr. Christian Leinenbach
11:30 - 12:00	Wavelength-Dependent Photochemistry for Multi-Colour 3D Printing Prof. Dr. Christopher Barner-Kowollik
12:00 - 13:30	Poster Session – Lunch
13:30 - 14:00	Additive Manufacturing as an Enabler for Sustainable and Circular Production Prof. Dr.-Ing. Frederik Zanger

14:00 - 14:30	Holographic 3D Laser Printing at the Speed of Light Dr. Paul Somers
14:30 - 15:00	New Technologies for 3D Printing of Dental Materials Dr. Yohann Catel
15:00 - 15:30	Networking – Poster Session
15:30 - 16:00	Digital Blueprints of Photonic Nanostructures Suitable for 3D Laser Printing Prof. Dr. Carsten Rockstuhl
16:00 - 16:30	Multi-modal Endomicroscopy Enabled by Advanced 3D Micro- and Nano-printing Prof. Dr. Çağlar Ataman
16:30 – 17:00	Farewell - Chance for further poster discussions

The Materials Day is open to the public and free of charge, [registration is mandatory](#) for all participants.

Invited Speakers

KIT Guests

Prof. Dr. Çağlar Ataman	Department of Microsystems Engineering (IMTEK)/ University of Freiburg
Dr. Yohann Catel	Ivoclar Vivadent
Dr. Christian Leinenbach	Swiss Federal Laboratories for Materials Science and Technology (Empa)
Prof. Dr. Christophe Moser	École Polytechnique Fédérale de Lausanne (EPFL)

KIT Members

Prof. Dr. Christopher Barner-Kowollik	Institute of Functional Interfaces (IFG)
Dr. Nathalie Matter-König	Institute of Nanotechnology (INT) / MaTeLiS
Prof. Dr. Carsten Rockstuhl	Institute of Nanotechnology (INT)/ Institute of Theoretical Solid-State Physics (TFP)
Prof. Dr.-Ing. Ina Schaefer	Vice Provost Research
Dr. Paul Somers	Institute of Applied Physics (IAP)/ Institute of Nanotechnology (INT)
Prof. Dr. Wolfgang Wenzel	Institute of Nanotechnology (INT)
Prof. Dr.-Ing. Frederik Zanger	Institute of Production Science (wbk)