

# Materials Day 2023

October 25<sup>th</sup>, 2023

from 9:30 a.m. to 4:00 p.m.

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

KIT Campus North

## Agenda

Registration from 9:00 – 9:30

09:30 - 09:50	<b>Welcome</b> Prof. Wolfgang Wenzel
09:50 - 10:50	<b>MaTeLiS Focus Field: Nanomaterials for printing and additive manufacturing</b>
09:50 - 10:10	<ul style="list-style-type: none"> <li>• <b>Printed Materials for Electronic Applications</b> Dr. Ben Breitung</li> </ul>
10:10 - 10:30	<ul style="list-style-type: none"> <li>• <b>Nanoprinted Inorganic Materials and Metamaterials</b> Dr. Jens Bauer</li> </ul>
10:30 - 10:50	<ul style="list-style-type: none"> <li>• <b>Biofunctionalization for Printed Structures and Devices</b> Dr. Michael Hirtz</li> </ul>
10:50 - 11:30	<b>Poster Pitches</b>
11:30 - 12:00	<b>Networking - Poster Session</b>
12:00 - 13:00	<b>Scientific Highlights – New Projects</b>
12:00 - 12:20	<ul style="list-style-type: none"> <li>• <b>Biocatalytic Foams from Microdroplet-Formulated Self-Assembling Enzymes</b> Julian Hertel</li> </ul>
12:20 - 12:40	<ul style="list-style-type: none"> <li>• <b>Project ORTHOGONAL „Origami inspired thermoelectric generators by printing and folding“</b> Prof. Uli Lemmer</li> </ul>

12:40 - 13:00	<ul style="list-style-type: none"> <li>• <b>Macrocyclic and Hybrid Organic-Inorganic Materials for Molecular Sensing Applications in Biofluids</b> Dr. Frank Biedermann</li> </ul>
<b>13:00 - 14:20</b>	<b>Lunch - Poster Session</b>
<b>14:20 - 15:20</b>	<b>MaTeLiS Focus field: Quantum Materials for Quantum Technologies</b>
14:20 - 14:40	<ul style="list-style-type: none"> <li>• <b>Quantum Computing with Molecules</b> Prof. Mario Ruben</li> </ul>
14:40 - 15:00	<ul style="list-style-type: none"> <li>• <b>Imaging 3D Morphology of Granular Superconductors</b> Lucas Brauch</li> </ul>
15:00 - 15:20	<ul style="list-style-type: none"> <li>• <b>Electrodynamic response of ultrapure anisotropic metals: hydrodynamic vs ballistic flow.</b> Dr. Davide Filippo Valentinis</li> </ul>
<b>15:20 - 15:50</b>	<b>Networking - Discussion - New MaTeLiS Topics</b>
<b>15:50 - 16:00</b>	<b>Summary</b>

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