

# „Karlsruher Werkstoffkolloquium“ Summer Term 2023

<b>May 9, 2023</b> 4 pm Campus Süd	<b>Dr. Marco Salvalaglio</b> Institute of Scientific Computing, TU Dresden Chair: Prof. Dr. B. Nestler	<b>Self-assembly of ordered and correlated-disordered nanostructures by solid-state dewetting</b>
<b>May 16, 2023</b> 4 pm Campus Süd	<b>Prof. Dr. Jan Torgersen</b> TUM School of Engineering and Design, Garching Chair: Prof. Dr. C. Greiner	<b>Bottom up Material Synthesis for Energy Conversion: From the placement of atoms to the layered construction of computer defined porous media</b>
<b>June 6, 2023</b> 4 pm Campus Süd	<b>Prof. Dr.-Ing. Hans Jürgen Maier</b> Institut für Werkstoffkunde, Leibniz Universität Hannover Chair: Prof. Dr. M. Heilmaier	<b>Interface-dominated processes in production engineering</b>
<b>June 20, 2023</b> 4 pm Campus Nord	<b>Dr. Nagamani Jaya Balila</b> Indian Institute of Technology, Bombay Chair: Prof. Dr. C. Kirchlechner	<b>Deformation and fracture micromechanisms in high strength steels unraveled through full-field strain mapping</b>
<b>July 4, 2023</b> 4 pm Campus Süd	<b>Prof. Dr. David Kammer</b> Institut für Baustoffe (IfB), ETH Zürich Chair: Prof. Dr. M. Dienwiebel	<b>Modeling failure in: Onset of friction &amp; Corrosion-induced material damage</b>
<b>July 11, 2023</b> 4 pm Campus Nord	<b>Prof. Dr. Masato Yoshiya</b> Quantum Materials Physics Lab., Osaka University, Japan Chair: Prof. Dr. C. Kirchlechner	<b>Computational attempt to manipulate electronic and thermal conduction through grain boundaries and dislocations in materials</b>
<b>July 18, 2023</b> 4 pm Campus Nord	<b>Prof. Dr.-Ing. Frank Mücklich</b> Institute for Functional Materials, Saarland University Technology Chair: Prof. Dr. H. J. Seifert	<b>About Biomimetic Meta-Surfaces - And Why We Send Them into Space</b>

## Event venues

Campus Nord: Fortbildungszentrum für Technik und Umwelt (FTU), Mittlerer Hörsaal  
Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen

Campus Süd: Redtenbacher-Hörsaal, Geb. 10.91, Engelbert-Arnold-Str. 4, 76131 Karlsruhe

24.04.2023. Subject to changes