

Department of Materials Science and Engineering

Materials Science Colloquium

SoSe 2025

29.04.2025

Prof. Dr. Mikhail Zheludkevich, Helmholtz-Zentrum Hereon & Institute for Material Science, Faculty of Engineering, Kiel University, Germany

AI Approaches Towards Corrosion Prediction and Discovery of Metal Dissolution Modulators

Inviting: Prof. P. Felfer, Prof. M. Zaiser, Prof. C. Brabec, Prof. P. Pelz, Prof. L. Ghiringhelli

06.05.2025

Dipl. Ing. Matthias Morand & Dr. Silke Kramkowski, Fa. Procter & Gamble

Applied Sciences in Consumer Goods Industry

Inviting: Prof. D. Schubert, Prof. A. Boccaccini, Prof. K. Webber, PD Dr.-Ing. habil. T. Fey, Prof. D. de Ligny

27.05.2025

Dr. Vincenzo Grillo, CNR Istituto Nanoscienze, Italy

Quantum Tomography in Electron Microscopy

Inviting: Prof. P. Pelz, Prof. P. Felfer, Prof. M. Zaiser, Prof. C. Brabec, Prof. L. Ghiringhelli

24.06.2025

Prof. Dr. Frédéric Laquai, LMU München, Germany

How the Energetic Landscape in Non-Fullerene Acceptor Organic Solar Cells Controls the Device Performance

Inviting: Prof. C. Brabec, Prof. E. Spiecker, Prof. W. Heiß, Prof. M. Halik

01.07.2025

Prof. Dr. Carsten Deibel, TU Chemnitz, Germany

From Ionic Defects in Halide Perovskites to Fill Factor Losses in Organic Solar Cells

Inviting: Prof. W. Heiß, Prof. E. Spiecker, Prof. C. Brabec, Prof. M. Halik

08.07.2025

Prof. Dr. Kantesh Balani, Indian Institute of Technology Kanpur, India

Designing Next Generation Biocomposites for Implants

Inviting: PD Dr.-Ing. habil. T. Fey, Prof. K. Webber, Prof. A. Boccaccini, Prof. D. Schubert, Prof. D. de Ligny

15.07.2025

Prof. Dr. Athina Markaki, Department of Engineering, University of Cambridge, UK

Bioengineered Vascular Networks and Grafts

Inviting: Prof. A. Boccaccini, Prof. K. Webber, PD Dr.-Ing. habil. T. Fey, Prof. D. Schubert, Prof. D. de Ligny

22.07.2025

Prof. Dr. Julian Walker, Department of Materials Science and Engineering, NTNU, Norway

Ionic Plastic Crystals and Their Ceramic Composites as Energy Conversion Systems

Inviting: Prof. K. Webber, Prof. A. Boccaccini, PD Dr.-Ing. habil. T. Fey, Prof. D. Schubert, Prof. D. de Ligny

Tuesdays, 4 pm

**Bernhard-Ilschner-lecture hall
(H14)**

Martensstr. 5-7, Erlangen
in presence and via zoom



meeting-ID: 691 5465 0178
code: 842126