

# 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

**Designing Next Generation Biocomposites for Implants**

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

**20.05.2025**

Prof. Dr.-Ing. Hauke Springer, RWTH Aachen University, Germany

tba

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

**27.05.2025**

Dr. Vincenzo Grillo, CNR Istituto Nanoscienze, Italy

**Exotic experiments with electrons in a TEM microscope: herding phase singularities, testing quantum tomography, single pixel imaging**

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

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Inviting: Prof. E. Spiecker, Prof. C. Brabec, Prof. W. Hei, 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. Hei, 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