

Lecture series at the Institute of Materials Physics (IMP), University of Münster

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Zoom link: <https://uni-ms.zoom-x.de/j/65220591324?pwd=FgMeaVXQiEuyqhlYhCtb5IefCln6NL.1> Meeting-ID: 652 2059 1324, passcode: 392138

Recent Topics in Materials Research

	15.07.2024	16.07.2024	17.07.2024	18.07.2024	19.07.2024
9:30-10:00	Welcome and some introductory remarks (GW)				Feedback (GW)
10:00-11:30	Introduction to Materials Physics at IMP and Thermodynamics of Nanoscale Systems (GW)	Additive Manufacturing (FK)	New structural features and stability in nanograined pure metals prepared by severe plastic deformation (XZ)	Materials research with swift heavy ions (MT)	Introduction to Diffusion (SD)
11:30-12:00	Discussion and questions (GW)	Discussion and questions (FK)	Discussion and questions (XZ)	Discussion and questions (MT)	Discussion and questions (SD)
12:00-14:00	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
14:00-15:30	Transmission Electron Microscopy in Materials Science (HR)	Energy Materials via Deposition Methods (AK)	Synthesis, microstructure and properties of extremely fine fivefold twinned Ni (YW)	Role of microstructure in the design of materials for advanced applications (MG)	Interdiffusion in Materials – understanding the mechanisms and their applications (EN)
15:30-16:00	Discussion and questions (HR)	Discussion and questions (AK)	Discussion and questions (YW)	Discussion and Questions (MG)	Discussion and Questions (EN)

Yellow: lectures, 10 x 90 min

Green: discussion, questions (by the students) and answers by the respective lecturer, each up to 30 min

Blue: breaks

Orange: opening session on 15.07. and wrap-up on 19.07.

Lecturers: SD: Apl.-Prof. S. Divinski
EN: Dr. E. Neelamegan
GW: Prof. G. Wilde

MG: Dr. M. Garlapati
HR: Dr. H. Rösner
XZ: Dr. Xin Zhu

FK: Dr. F. Khodabakhshi
MT: Dr. M. Tomut

AK: Dr. A. Korniiushchenko
YW: Dr. Y. Wang