

„Karlsruher Werkstoffkolloquium“

Winter Term 2023-24

Oct. 10, 2023, 4 pm

Prof. Dr. Mike Mills, The Ohio State University, Columbus, OH, USA:

Local Phase Transformations: A New Creep Strengthening Mechanism in Ni-Base Superalloys

Chair: Prof. Dr. C. Kirchlechner

<https://kit-lecture.zoom-x.de/j/67756393620?pwd=YnNabjdzMTA1RXpqcmg0V0N6eHFtZz09> Code: 781!23aB

Nov. 14, 2023, 4 pm

Prof. Dr. Pierre Antoine Bonnefont, INP de Grenoble – PHELMA:

Cobalt iron oxide core-shell nanoparticles for electrocatalysis of the oxygen evolution reaction

Chair: Prof. Dr. U. Krewer

<https://kit-lecture.zoom-x.de/j/61558900740?pwd=OG03a1Bra0NJM1NQQ2FjSGFaYXJZZz09> Code: H%^CYn8d

Jan. 9, 2024, 4 pm

PD Dr. Andreas Borgschulte, Empa - Swiss Federal Laboratories for Materials Science & Technology:
Tailoring surface properties to enhance permeation in hydrogen selective membranes

Chair: Prof. Dr. A. Pundt

<https://kit-lecture.zoom-x.de/j/62258449964?pwd=dIQxQThWZXVpMDR2dmNtQ0lWb2tEUT09> Code: d7wfW3@y

Jan. 16, 2024, 4 pm

Prof. Dr. Jennifer L.M. Rupp, Department of Chemistry, TU Munich:

Designing Li+ Ceramics for Future Solid and Hybrid Batteries: A Little Material Scientist's Love Story

Chair: Prof. Dr. P. Gumbsch

<https://kit-lecture.zoom-x.de/j/66047822988?pwd=NEU4cmVUeFlxMllkb0toS2NCcU5oZz09> Code: Bdf??7nQN

Jan. 30, 2024, 4 pm

Prof. Dr. Jean-Charles Stinville, University of Illinois Urbana-Champaign:

On the Origins of Fatigue Strength in Metallic Materials; The Search for Fatigue-Resistant Alloys

Chair: Prof. Dr. M. Heilmaier

<https://kit-lecture.zoom-x.de/j/62477339433?pwd=VzExM29Jdk03a2ZiNWlydHhPTjFQQT09> Code: sjL3zHb.

Feb. 6, 2024, 4 pm

Dr. Oleg N. Senkov, US Air Force Research Laboratory, Wright-Patterson AFB, OH, USA:
Refractory complex concentration alloys for high-temperature structural applications

Chair: Prof. Dr. B. Gorr

<https://kit-lecture.zoom-x.de/j/61224335154?pwd=QWMrNTZaWlF5WEdkVkvTl2crdGFmZz09> Code: 8Q\$yktgQ

06.11.2023. *Subject to changes*