

# „Karlsruher Werkstoffkolloquium“

Winter Term 2024-25

Tuesdays, 4 pm, Online via Zoom

**Nov. 12, 2024 Prof. Dr. Ashlie Martini, University of California Merced, CA, USA**  
**“Tribocchemistry: Insights into Lubricated Systems from Molecular Modeling”**

Chair: Prof. Dr. C. Greiner

<https://kit-lecture.zoom-x.de/j/65648374404?pwd=0FICc8IYJRMxoYg5QoJ8AeomKZvadn.1> Meeting ID: 656 4837 4404 Code: 6g@Q^tgP

**Nov. 26, 2024: Prof. Dr. Ian Robertson, University of Wisconsin, Madison, USA**  
**“The fatal attraction between hydrogen and metals”**

Chair: Prof. Dr. A. Pundt

<https://kit-lecture.zoom-x.de/j/64903312367?pwd=iNWio4DX1dSodzhG6pkq8dJiCpPXGc.1> Meeting ID: 656 4837 4404 Code: ?L%#m111M

**Dec. 3, 2024: Prof. Dr. David Armstrong, Department of Materials, University of Oxford, UK**  
**“Mechanical properties of materials for solid state batteries“**

Chair: Prof. Dr. C. Kirchlechner

<https://kit-lecture.zoom-x.de/j/63040099397?pwd=iWdSdR25IBIBhDQiRa9Ea2zNZuEggS.1> Meeting ID: 630 4009 9397 Code: ca0QIP9Q

**Dec. 10, 2024 : Prof. Dr. Christopher Spadaccini, Lawrence Livermore National Laboratory, Livermore, CA, USA**  
**“Additive Manufacturing of Architected and Functional Materials“**

Chair: Prof. Dr. J. Bauer

<https://kit-lecture.zoom-x.de/j/62078627003?pwd=x9aqXpaWIZADXcaKuTzu1f0LITOE0L.1> Meeting-ID: 620 7862 7003 Code: 1Y8?b#rR

**Jan. 14, 2025 : Prof. Dr. Jean-Philippe Couzinie, University Paris-Est Creteil, France**  
**“Dislocation mechanisms and thermally activated processes of the plastic deformation in refractory complex alloys“**

Chair: Prof. Dr. M. Heilmaier

<https://kit-lecture.zoom-x.de/j/64572531195?pwd=HKFFaW9bdFYzbsQ2qqlAC21lbgSVJg.1> Meeting-ID: 645 7253 1195 Code: Mui@AR5Y

**Feb. 11, 2025 : Prof. Dr. Katia Bertoldi, SEAS, Harvard University, MA, USA**  
**“Enhancing Shell Functionality Through Instabilities“**

Chair: Prof. Dr. P. Gumbsch

<https://kit-lecture.zoom-x.de/j/66395780447?pwd=x1fDvshY3pxTV9ChDaW9SrtjaJ0IO.1> Meeting-ID: 663 9578 0447 Code: mibT+b3j

27.01.2025. *Subject to changes*