

# „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**  
“Tribochemistry: Insights into Lubricated Systems from Molecular Modeling”

Chair: Prof. Dr. C. Greiner

<https://kit-lecture.zoom-x.de/j/65648374404?pwd=0FICCC8lYJRMxoYq5QoJ8AeomKZvadn.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=iNWio4DX1dSodzhG6pkq8dJiCpXGc.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=iWdSdR25lBIBhDQIRa9Ea2zNZuEggS.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#R

**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. 4, 2025: Prof. Dr. Oleksandr Vasiliev, Frantsevich Institute for Problems of Materials Science NAS of Ukraine**  
“Machine Learning enhanced DFT modeling of mixed solid systems“

Chair: Prof. Dr. B. Gorr

<https://kit-lecture.zoom-x.de/j/67874478782?pwd=GoxGnHQ1qznc4BBq59qqZNHtR9iRW.1> Meeting-ID: 678 7447 8782 Code: a=NfR6T?

**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=x1fDvshiY3pxTV9ChDaW9SrtjaJ0IO.1> Meeting-ID: 663 9578 0447 Code: mibT+b3Y

16.09.2024. *Subject to changes*