

Surface Science Discussions 2026 – Programme

11.02.2026 - SESSION 1			Seminar Chairman: Mikofaj Lewandowski
10:00-10:05 (CET)	5:00 AM in CN, 6:00 AM in JP and KR, 11:00 AM in FIN 1:00 AM in CA & WA, USA, 3:00 AM in TX & IL, 4:00 AM in MA	Welcome word from the Organizers	
10:05-10:50		OPENING LECTURE Prof. Dr. Karsten Reuter	Operando Evolution under the ML Magnifier
10:50-11:15		Prof. Dr. Bing Yang	Gas-mediated Dynamic Segregation on Bimetallic Alloy Surfaces: A Combined NAPSTM and ETEM Study
11:15-11:40		Prof. Dr. María Pilar de Lara-Castells	Toward a molecular-level understanding of subnanometric metal clusters. Jahn–Teller distortions and fluxionality.
11:40-12:05		Prof. Dr. Tomasz Kosmala	Tuning Graphene-Metal Interactions for Electrochemical Energy Storage and Catalytic Applications
12:05-12:20		Coffee break	
11.02.2026 - SESSION 2			
12:20-12:45		Prof. Dr. Barbara Lechner	Support Effects in the Evolution of Pt particles
12:45-13:10		Prof. Dr. Claudine Noguera	Discovery of 2D Magnéli Nanophases in MoO ₃ Ultra-thin Films
13:10-13:45		ANNIVERSARY LECTURE Prof. Dr. Harald Brune	Surface Science and Nanomagnetism
13:45-14:45		Lunch break	
11.02.2026 - SESSION 3			
14:45-15:10		Prof. Dr. Aparajita Singha	Quantum Sensing at the Atomic Scale
15:10-15:35		Prof. Dr. Justin W. Wells	Using ARPES to understand manybody physics in 2D materials and at interfaces
15:35-16:00		Prof. Dr. Antonija Grubišić Čabo	Kinetic In situ Single-layer Synthesis (KISS) Technique for Large-area 2D Materials Exfoliation
16:00-16:35	11:00 PM in CN, 12:00 AM in JP and KR, 5:00 PM in FIN 7:00 AM in CA & WA, USA, 9:00 AM in TX & IL, 10:00 AM in MA	ANNIVERSARY LECTURE Prof. Dr. Micheal F. Crommie	Imaging Wigner Crystals in 2D Semiconductors
12.02.2026 - SESSION 1			
10:00-10:35 (CET)	5:00 AM in CN, 6:00 AM in JP and KR, 11:00 AM in FIN 1:00 AM in CA & WA, USA, 3:00 AM in TX & IL, 4:00 AM in MA	ANNIVERSARY LECTURE Prof. Dr. Franz J. Gießibl	40 Years of Atomic Force Microscopy
10:35-11:00		Prof. Dr. Karoliina Honkala	Understanding Electrochemical Interfaces from First Principles Calculations
11:00-11:25		Prof. Dr. Julia Kunze-Liebhäuser	Oxide Growth and Place-Exchange on Au(111) in Alkaline Electrolyte
11:25-11:50		Prof. Dr. Alessandro Baraldi	Shedding Light on 2D and 0D Materials on Surfaces using X-ray Photoelectron Spectroscopy
11:50-12:05		Coffee break	
12.02.2026 - SESSION 2			
12:05-12:30		Prof. Dr. Katsuyuki Fukutani	Quantum Effects of Hydrogen at Metals
12:30-12:55		Prof. Dr. Christopher J. Heard	Diffusion and Dynamics at Oxide Surfaces via Reactive Machine Learning
12:55-13:20		Prof. Dr. Paweł Dąbrowski	Electronic Properties of Large-Scale Hybrid van der Waals Heterostructures of Surface-Sensitive Materials Covered by Graphene
13:20-13:55		ANNIVERSARY LECTURE Prof. Dr. Paul S. Bagus	Extracting Chemistry and Physics From XPS Spectra
13:55-14:55		Lunch break	
12.02.2026 - SESSION 3			
14:55-15:20		Prof. Dr. E. Charles Sykes	Single-Atom Alloy Catalysts: Born in a Vacuum, Tested in Reactors, and Understood In Silico
15:20-15:45		Prof. Dr. Nan Jiang	Probing Surface Chemistry at the Angstrom-Scale via Scanning Tunneling Microscopy Combined Tip-Enhanced Raman Spectroscopy
15:45-16:30		CLOSING LECTURE Prof. Dr. Charles T. Campbell	Adhesion Energies at Metal Nanoparticle / Support Interfaces: Key for Predicting Catalytic Performance of Supported Nanoparticles, and a New Way to Estimate Them
16:30-16:35	11:30 PM in CN, 12:30 AM in JP and KR, 5:30 PM in FIN 7:30 AM in CA & WA, USA, 9:30 AM in TX & IL, 10:30 AM in MA	Concluding remarks by the Organizers	