



Monday, December 4, 2023

FHI, PC Department, Room G 2.06

Joint Workshop Fritz Haber Institute, Berlin (FHI) and Institute for Molecular Science, Japan (IMS):

“Emerging Techniques of Nanospectroscopy Based on Scanning Probe Microscopy”

Welcome

9:15	Martin Wolf, FHI (5 min)
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Morning Session

09:20	Takashi Kumagai, IMS (30+5)	Nanomaterial characterization using infrared SNOM
09:55	Sam Palato, HU Berlin (30+5)	Nanoscopy with khz femtosecond sources
10:30	Coffee Break	
10:50	Taketoshi Minato, IMS (30+5)	Surface and Interface Sciences of Energy Conversion Systems Studied by SPM
11:25	Melanie Müller, FHI (10+5)	Ultrafast scanning tunneling microscopy: principles, status and prospects
11:40	Luis Parra Lopez, FHI (25+5)	Probing the coherent amplitude mode in 1T-TaS ₂ with THz scanning tunneling microscopy

12:10	Lunch Break
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Afternoon Session

14:00	Atsunori Sakurai, IMS (30+5)	Tip-Enhanced Vibrational Sum-Frequency Generation in Plasmonic STM nanocavity
14:35	Akitoshi Shiotari, FHI (10+5)	Exploring Adaptability of Tip-Enhanced Raman Spectroscopy
14:50	Youngwook Park, FHI (25+5)	Precise Control of a Plasmonic Tip to Activate a Single-Molecule Switch on Silicon

15:20	Closing remarks
15:30	Coffee