



# Frontiers of Multi-scale Modeling in Materials, Energy & Catalysis X

## Friday, 26 April 2024

### Session VII: Theory of Heat and Charge Transport (09:40 - 10:40)

time	[id] title	presenter
09:40	[40] A Perspective on Classical Force-Fields in the (Hype-)Times of Machine Learned Potentials	Prof. SCHMID, Rochus
10:20	[41] Introduction to Phonon Polaritons and Permittivity Function Modelling	Dr GELŽINYTĖ, Elena

### Session VII: Theory of Heat and Charge Transport (11:00 - 12:10)

time	[id] title	presenter
11:00	[42] Defects and Polarons in Magnesiumoxide	Mr DÄHN, Christoph
11:20	[43] A ML Interatomic Potential for Polaron Hopping	Dr RINALDI, Matteo
11:40	[44] Mirroring the Future - How Zeiss Enables Smaller, More Powerful and Energy-Efficient Microchips	Dr MICHELITSCH, Georg