

<u>Start</u>	<u>Wednesday</u>			
<u>Time</u>	<u>Portrait Room</u>	<u>Title</u>	<u>Speaker</u>	<u>ID #</u>
7:00 AM				
7:15 AM				
7:30 AM				
7:45 AM				
8:00 AM				
8:15 AM				
8:30 AM				
8:45 AM				
9:00 AM				
9:15 AM				
9:30 AM	Break			
9:45 AM	Break			
10:00 AM	Theory, Simulations, and Modeling	Theoretical analysis of dissociation tracks observed in TAP	Benoit Gervais	49
10:15 AM	(Invited)			
10:30 AM	Theory, Simulations, and Modeling	Spatial and Compositional biases introduced by Position Sensitive Detection Systems in APT: A Simulation Approach	Christian Bacchi	117
10:45 AM	Theory, Simulations, and Modeling	Evaporation field and surface diffusion on BCC Fe (001) and Cu (001) under electric field using first-principles calculation.	Toshiharu Ohnuma	168
11:00 AM	Theory, Simulations, and Modeling	Accurate and Efficient Field Evaporation Modelling using Level-set Methods	Charles Fletcher	31
11:15 AM	Theory, Simulations, and Modeling	Atomistic-Modeling Based Simulation of Field Evaporation Processes	Wolfgang Windl	223
11:30 AM	Break			
11:45 AM	Break			
12:00 PM	Break			
12:15 PM	Break			
12:30 PM	Break			
12:45 PM	Break			
1:00 PM	Theory, Simulations, and Modeling	Biased solute reconstruction due to athermal surface drag	Christian Oberdorfer	221
1:15 PM	Theory, Simulations, and Modeling	Atomic Level Studies of Step Dynamics in Homogeneous Systems	Matthew Koppa	141
1:30 PM	Theory, Simulations, and Modeling	Molecular Dynamics Modeling of Surface and Subsurface Processes in Metals Under the Influence of High Electric Fields	Stefan Parviainen	98
1:45 PM	Theory, Simulations, and Modeling	Open Discussion		
2:00 PM	Organic, Biological, Liquid, and Composite Materials	Towards mapping of trace elements in bio-minerals	Sebastian Koelling	29
2:15 PM	(Invited)			
2:30 PM	Organic, Biological, Liquid, and Composite Materials	Experiences in APT Analyses of Fluids	Stephan Gerstl	203
2:45 PM	Organic, Biological, Liquid, and Composite Materials	Atom probe tomography of silica-encapsulated proteins	Gustav Sundell	61
3:00 PM	Break			
3:15 PM	Break			
3:30 PM	Organic, Biological, Liquid, and Composite Materials	Atom Probe Tomography & Correlative Microscopy for Biological Materials	Kathryn Grandfield	94
3:45 PM	(Invited)			
4:00 PM	Organic, Biological, Liquid, and Composite Materials	Investigation of the Ion Distribution in Human Dental Enamel	Karen DeRocher	35
4:15 PM	Organic, Biological, Liquid, and Composite Materials	Atom Probe Tomography of Sound and Carious Rodent Tooth Enamel	Robert Free	212
4:30 PM	Organic, Biological, Liquid, and Composite Materials	Investigation Of Human Tooth Enamel Down To The Atomic Scale	Florant Exertier	172
4:45 PM	Organic, Biological, Liquid, and Composite Materials	Nanoscale Comparative Analysis of Human and Bovine Dental Enamel Composition Using Atom Probe Tomography	Upoma Guha	129
5:00 PM				
5:15 PM				
5:30 PM				
5:45 PM				
6:00 PM				
6:15 PM				
6:30 PM				
6:45 PM				
7:00 PM				