

# ICEAM2017

## Program

Time

Day 1 - Tuesday, 10.10.2017

09:00 - 9:30	<b>EAM Talk 1 (25+5 min)</b>			
	<b>Wolfgang PEUKERT - Introduction EAM + Research A1 (Title tba)</b>			
09:30 - 10:00	<b>Plenary Talk 1 (25+5 min)</b>			
	<b>Cynthia FRIEND - Design of Sustainable Catalytic Processes on Nanoporous Materials</b>			
10:00 - 10:30	<i>Coffee break (30min)</i>			
10:30 - 11:00	<b>Key Note 1 (25+5 min)</b>		<b>Key Note 2 (25+5 min)</b>	
	<b>Irene BEYERLEIN - Interfaces in multiphase structural nanocomposites</b>		<b>Bala SUBRAMANIAM - Metal-Incorporated Silicates Via Evaporation-Induced Self-Assembly As Superior Catalytic Materials</b>	
11:10 - 12:30	<b>Session 1</b> (4 x 15+5 min)	<b>Session 2</b> (4 x 15+5 min)	<b>Session 3</b> (4 x 15+5 min)	<b>Session 4</b> (4 x 15+5 min)
	<b>Photonic and Optical Materials - in situ characterization</b>	<b>Architected materials: processing, interface design, structure formation and properties</b>	<b>Characterization of catalytic materials and interfaces 1</b>	<b>Pharmaceutical- and Bio-Materials (formation, characterization, and simulation)</b>
12:30 - 13:30	<i>Lunch break</i>			
13:30 - 14:00	<b>Plenary Talk 2 (25+5 min)</b>			
	<b>Ole SIGMUND - New multiscale approaches in topology optimization</b>			
14:00 - 14:30	<b>EAM Talk 2 (25+5 min)</b>			
	<b>N. N. - Research Area A3 (Title tba)</b>			
14:40 - 15:10	<b>Key Note 3 (25+5 min)</b>		<b>Key Note 4 (25+5 min)</b>	
	<b>Carolin KÖRNER / Hannsjörg FREUND - Title tba</b>		<b>Wolfgang HIERINGER / Marco HAUMANN - Insight into SILP catalyzed gas-phase reactions via combined kinetic and DFT studies</b>	
15:10 - 15:40	<i>Coffee break (30min)</i>			
15:40 - 16:10	<b>Key Note 5 (25+5 min)</b>		<b>Key Note 6 (25+5 min)</b>	
	<b>Tommaso GHIDINI - Title tba</b>		<b>Alan ASPURU-GUZIŁ - Billions and Billions of Molecules</b>	
16:20 - 17:40	<b>Session 5</b> (4 x 15+5 min)	<b>Session 6</b> (4 x 15+5 min)	<b>Session 7</b> (4 x 15+5 min)	<b>Session 8</b> (4 x 15+5 min)
	<b>Transport, flow, and jamming</b>	<b>Additive manufacturing of functional components</b>	<b>Characterization of catalytic materials and interfaces 2</b>	<b>Photonic and optical materials (simulation and numerical optimization)</b>
17:50 - 18:20	<b>EAM Talk 3 (25+5 min)</b>			
	<b>Peter WASSERSCHIED - Research Area D (Title tba)</b>			
18:30 - 20:30	<b>Poster Session</b>			

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## Program

Time

Day 2 - Wednesday, 11.10.2017

09:00 - 09:30	<b>Plenary Talk 3 (25+5 min)</b>			
	Andreas STEIN - Designing Functional Porous and Nanostructured Materials at Multiple Length Scales			
09:30 - 10:00	<b>EAM Talk 4 (25+5 min)</b>			
	Robin KLUPP TAYLOR - Research Area C (Title tba)			
10:00 - 10:30	Coffee break (30min)			
10:30 - 11:00	<b>Key Note 7 (25+5 min)</b>		<b>Key Note 8 (25+5 min)</b>	
	Bill CURTIN - Theory of Strengthening in High Entropy Alloys		Markus SCHMIDT - Optofluidics in fibers: a new base for nonlinear optics and nanoobjects detection	
11:00 - 11:30	<b>Key Note 9 (25+5 min)</b>		<b>Key Note 10 (25+5 min)</b>	
	Jana ZAUMSEIL - Sorting und Printing of Semiconducting Carbon Nanotubes for High-Performance Field-effect Transistors		Regina PALKOVITS - Design of Nanoporous Polymers for Catalysis and Separation in Biorefineries	
11:40 - 13:00	<b>Session 9</b> (4 x 15+5 min)	<b>Session 10</b> (4 x 15+5 min)	<b>Session 11</b> (4 x 15+5 min)	<b>Session 12</b> (4 x 15+5 min)
	From Molecular Layers to Thin Films	2D and 3D structural characterization and nanomechanics of architected and porous materials	Catalytic materials (processing and modeling) 1	Photonic and optical materials (structure formation and characterization)
13:00 - 14:00	Lunch break			
14:00 - 14:30	<b>Plenary Talk 4 (25+5 min)</b>			
	Paolo SAMORI - The power of light: from fast photodetectors to photoswitchable transistors based flexible multilevel memories			
14:30 - 15:00	<b>EAM Talk 5 (25+5 min)</b>			
	Andreas HIRSCH - Research Area B (Title tba)			
15:10 - 15:40	<b>Key Note 11 (25+5 min)</b>		<b>Key Note 12 (25+5 min)</b>	
	Norbert KOCH - Title tba		Michael ENGEL / Nicolas VOGEL - Giant Colloidal Cluster from Confined Self-Assembly: Structure and Properties	
15:40 - 16:10	Coffee break (30min)			
16:10 - 17:30	<b>Session 13</b> (4 x 15+5 min)	<b>Session 14</b> (4 x 15+5 min)	<b>Session 15</b> (4 x 15+5 min)	<b>Session 16</b> (4 x 15+5 min)
	Chemistry at the solid / liquid interface	Materials' Interfaces (formation, characterization and simulation)	Catalytic materials (processing and modeling) 2	Self-organization and packing
17:40 - 18:10	<b>EAM Talk 6 (25+5 min)</b>			
	Carolin KÖRNER - Research Area E (Title tba)			
19:00 - 22:00	Congress Dinner			

# ICEAM2017

## Program

Time

Day 3 - Thursday, 12.10.2017

09:00 - 09:30	Plenary Talk 5 (25+5 min)			
	Andreas SCHREYER - <b>Title tba</b>			
09:30 - 10:00	EAM Talk 7 (25+5 min)			
	Erdmann SPIECKER - Research Area A2 ( <b>Title tba</b> )			
10:00 - 10:30	Coffee break (30min)			
10:30 - 11:00	Key Note 13 (25+5 min)		Key Note 14 (25+5 min)	
	Tanja WEIL - <b>Title tba</b>		Helmut CÖLFEN - <b>Title tba</b>	
11:00 - 11:30	Key Note 15 (25+5 min)		Key Note 16 (25+5 min)	
	Christoph BRABEC / Stefanie RECHBERGER / Tobias UNRUH - <b>Titel tba</b>		Gregor WITTE / Bernd MEYER - Experimental and theoretical characterization of the structure and stability of phosphonic acid self-assembled monolayers on ZnO surfaces	
11:40 - 13:00	Session 17 (4 x 15+5 min)	Session 18 (4 x 15+5 min)	Session 19 (4 x 15+5 min)	Session 20 (4 x 15+5 min)
	New approaches in solar harvesting	Bio-interfaces	Liquid film catalysis – SILP and SCILL	New characterization methods, new instruments or novel combination of methods
13:00 - 14:00	Lunch break			
14:00 - 14:20	Concluding Session Poster and Lecture Award			
14:30 - 16:30	Lab Tours			