

Schedule At-a-Glance

Monday, June 11, 2018					
Event		Breakfast			
Location		Leut Restaurant, Lobby Level			
7:00 AM – 7:45 AM					
Event		Plenary Session			
Location		Orlando A/B, Lobby Level			
7:45 AM – 9:00 AM		Opening Remarks Microscale Phase-Change to Enable a Wide Range of Thermal Systems by Srinivas Garimella (Moderated by Saeed Moghaddam)			
Event		Break/Exhibits			
Location		Foyer			
9:00 AM – 9:15 AM					
Event		Keynotes			
Location		Orlando A/B, Lobby Level			
9:15 AM – 10:45 AM		Scale-up of Multiphase Viscous Fingerin in Porous Media by Kishore K. Mohanty Optimization of Microchannel Flow systems for Application in Practical Thermal Processes by Yogesh Jaluria Flow Boiling in mini-channel evaporator with fins of open-cell metal foam by Liang Xin-Gang (Moderated by Satish Kandlikar)			
Event		Break/Exhibits			
Location		Foyer			
10:45 AM – 11:00 AM					
Event		Technical Sessions			
Location	Orlando C	Minceta	Lovrijenac	Lokrum	Kolocep
11:00 AM – 12:30 PM	Session 1-1: Fundamentals of flow and heat transfer in microchannels	Session 2-1: Flow boiling I	Session 6-1: Micro/Nonoscale Flow	Session 4-1: Freezing and Frost Formation on Heat Transfer Surfaces	Session 14-1: Industry Challenges I
Event		Lunch			
Location		Leut Restaurant			
12:30 PM – 2:00 PM		Lunch will be served buffet style			
Event		Plenary Session			
Location		Orlando A/B, Lobby Level			
2:00 PM – 3:30 PM		Personal reflections on recent dropwise condensation investigations by John Rose Thermal Challenges for Future Military Platforms by Mark Spector (Moderated by Srinivas Garimella)			
Event		Break/Exhibits			
Location		Foyer			
3:30 PM – 3:45 PM					
Event		Technical Sessions			
Location	Orlando C	Minceta	Lovrijenac	Lokrum	Kolocep
3:45 PM – 5:15 PM	Session 2-2: Heat pipes and thermosyphons	Session 6-2: Droplets and Bubbles	Session 4-2: Condensation Processes on Heat Transfer Surfaces	Session 5-1: Drops	Session 11-1: Transport in Energy Systems - I
Event		OPENING RECEPTION			
Location		Piano Bar			
5:30 PM – 7:00 PM		Outside (weather permitting)			

Event		Breakfast			
Location		Leut Restaurant, Lobby Level			
7:00 AM – 8:00 AM					
Event		Plenary Session			
Location		Orlando A/B, Lobby Level			
8:00 AM – 9:00 AM		Microchemical systems for multiphase Chemical reactions by Guangsheng Luo (Moderated by Norbert Kockmann)			
Event		Break/Exhibits			
Location		Foyer			
9:00 AM – 9:15 AM					
Event		Keynotes			
Location		Orlando A/B, Lobby Level			
9:15 AM – 10:45 AM		Advances in Microreactor Technology Driven by Materials by Dong-Pyo Kim			
		Interfacial Naobubbles on Biphilic Surfaces by Koji Takahashi			
		Freezing of Nanofluid Droplets on a Subcooled Substrate by Charles Chun (Moderated by Joel Plawsky)			
Event		Break/Exhibits			
Location		Foyer			
10:45 AM – 11:00 AM					
Event		Technical Sessions			
Location	Orlando C	Minceta	Lovrijenac	Lokrum	Kolocep
11:00 AM – 12:30 PM	Session 1-2: Microchannels with Enhanced Surfaces	Session 2-3: Non boiling two phase flow	Session 11-2: Transport in Energy Systems II	Session 12-1: Fundamental Measurements in Microreactors	Session 13-1: Separation and other sample processing
Event		Lunch			
Location		Leut Restaurant			
12:30 PM – 2:00 PM		Lunch will be served buffet style			
Event		Plenary Session			
Location		Orlando A/B, Lobby Level			
2:00 PM – 3:00 PM		Nanofluidic Electrokinetic Systems by Sumita Pennathur (Moderated by Amy Betz)			
Event		Break/Exhibits			
Location		Foyer			
3:00 PM – 3:15 PM					
Event		Technical Sessions			
Location	Orlando C	Minceta	Lovrijenac	Lokrum	Kolocep
3:15 PM – 4:45 PM	Session 3-1: Experiment with enhanced surfaces	Session 5-2: Evaporation in/on complex surfaces	Session 6-3: Interfacial Flows and Heat Transfer	Session 12-2: Mixing, Scale-up and Modeling of Microreactors and Reactor Networks	Session 13-2: Devices for investigating motile cells
Event		Technical Sessions			
Location	Orlando C	Minceta	Lovrijenac	Lokrum	Kolocep
5:00 PM – 6:30 PM	Session 4-3: Droplets and Condensation Phenomena on Surfaces	Session 5-3: Thin films and specific evaporation processes	Session 7-1: Wicking- and imbibition-induced flows	Session 8-1: Electrokinetics	Session 9-1: Transport in Biological Systems
Event		AWARDS BANQUET			
Location		Orlando A/B			
6:45 PM – 8:15 PM					

Wednesday, June 13, 2018					
Event		Breakfast			
Location		Leut Restaurant, Lobby Level			
7:00 AM – 8:00 AM					
Event		Plenary Session			
Location		Orlando A/B, Lobby Level			
8:00 AM – 9:00 AM		Shaving off some complexities of pool boiling with Occam’s razor by Daniel Attinger (Moderated by Amy Betz)			
Event		Break/Exhibits			
Location		Foyer			
9:00 AM – 9:15 AM					
Event		Keynotes			
Location		Orlando A/B, Lobby Level			
9:15 AM – 10:45 AM		Condensation at Microscales: Emerging Insights through Experimental and Analytical Approaches by Srinivas Garimella Two-Phase flow characteristics of gas and non-Newtonian liquid through microchannel by Akimoro Kawahara Evaporation driven micro-scale transport of solutes and particalats on nuclear fuels by Hitesh Bindra (Moderated by Yoav Peles)			
Event		Break/Exhibits			
Location		Foyer			
10:45 AM – 11:00 AM					
Event		Technical Sessions			
Location	Orlando C	Minceta	Lovrijenac	Lokrum	Kolocep
11:00 AM – 12:30 PM	Session 1-3: Mass Transfer, Droplet Impingement and Supercritical Pressure Studies	Session 2-4: Adiabatic two-phase flow	Session 3-2: Complex fluids and Complex operating conditions in boiling	Session 7-2: Forced-convection in nano-to mini-channels	Session 8-2: Interfacial and Concentration Gradient Effects
Event		Lunch			
Location		Leut Restaurant			
12:30 PM – 2:00 PM		Lunch will be served buffet style			
Event		Plenary Session			
Location		Orlando A/B, Lobby Level			
2:00 PM – 3:00 PM		Capillary flows in 2D and 3D porous media by Ho-Young Kim (Moderated by Yoonjin Won)			
Event		Break/Exhibits			
Location		Foyer			
3:00 PM – 3:15 PM					
Event		Technical Sessions			
Location	Orlando C	Minceta	Lovrijenac	Lokrum	Kolocep
3:15 PM – 4:45 PM	Session 3-3: Physical Insights in Pool Boiling	Session 2-5: Flow boiling II	Session 8-3: Dielectrophoresis and Colloidal Transport	Session 12-3: Synthesis and Separation in Microreactors	N/A