



MEETING PROGRAM

Thursday, 21 June 2012			Speaker	Title
10:00	11:00	Registration		
11:00	11:45	Tutorial Lecture 1	F. Mugele	Physical principles of wetting control by electric fields
11:45	12:00	Break		
12:00	12:45	Tutorial Lecture 2	S. Kuiper	Tutorial on electrowetting materials
12:45	14:00	Registration & Lunch		
14:00	14:10	Opening		
Session 1				
14:10	14:50	Invited talk 1	CJ Kim	Electrowetting on Dielectric: Fundamentals of Theories and Devices
14:50	15:10	Oral presentation 1	Lars Dittrich , Csaba Endrödy, Martin Hoffmann	Resonant electrostatic actuation of water on closed lyophobic microstructures
15:10	15:30	Oral presentation 2	Ravi Prakash , Karan V. I. S. Kaler, Dimitrios P. Papageorgiou, Athanasios G. Papathanasiou, Raymond Tellier	Multiplexed Post Amplification Viral Screening Assay using Surface Microfluidic Technology
15:30	15:50	Oral presentation 3	Lara Tauk , Romaric Massard, Chiara Cometti	Chemical and physical properties of fluoropolymers in electrowetting displays
15:50	16:10	Coffee break		
Session 2				
16:10	16:50	Invited talk 2	Glen McHale	Dielectrowetting Driven Spreading of Droplets and Shaping of Liquid Interfaces
16:50	17:10	Oral presentation 4	A. J. Steckl and H. You	Electrowetting on Flexible Substrates - From Plastic to Metal to Paper to Glass
17:10	17:30	Oral presentation 5	Nathan B. Crane , Mehdi Khodayari, Qi Ni	Electrowetting for Mechanical Actuation
17:30	17:50	Coffee break		
Session 3				
17:50	18:30	Invited talk 3	Alenka Luzar	Nanoscale wetting under electric field from molecular simulations
18:30	18:50	Oral presentation 6	Jiwoo Hong , Seung Jun Lee, and Kwan Hyoung Kang	Oscillation-induced drop transport using ac electrowetting
18:50	19:10	Oral presentation 7	Jairus Kleinert , Vijay Srinivasan, Michael Pollack, Orlin D. Velev, and Vamsee K. Pamula	Dynamics and Stability of Oil Films During Droplet Transport by Electrowetting
19:30	23:00	Poster session & Coffee Event Dinner		

Friday, 22 June 2012			Speaker	Title
8:00	9:30	Breakfast and Registration		
Session 4				
9:30	10:10	Invited talk 4	Tom Krupenkin , J. Ashley Taylor, Supone Manakasetharn	Reverse electrowetting – a new approach to high-power harvesting of mechanical energy
10:10	10:50	Invited talk 5	Bruno Berge	Liquid lens based on Electrowetting: internal dynamics modeling, current and future trends in industrial and medical applications
10:50	11:10	Oral presentation 8	Arnaud Rival , Cyril Delattre, Frédéric Bottausci, Jean-Maxime Roux, Florence Rivera, Uichong Yi, Vijay Srinivasan, Vamsee K. Pamula, Michael G. Pollack	New insight on droplet dynamics under electrowetting actuation and design tools for speeding up product development
11:10	11:40	Coffee break		
Session 5				
11:40	12:20	Invited talk 6	Srinivasan Vijay	Commercializing Electrowetting-based Digital Microfluidics: from the Lab to a Product
12:20	13:00	Invited talk 7	Jason Heikenfeld	Novel Electrowetting Device Architectures for Displays and Lab-on-Chip, the Invariability of Saturation, and Materials Advances Required for Commercial Application
13:00	14:30	Lunch		
Session 6				
14:30	15:10	Invited talk 8	Frieder Mugele	Say goodbye to coffee stains – how electrowetting-driven drop oscillations improve MALDI mass spectrometry
15:10	15:30	Oral presentation 9	Daniel Orejon , Khellil Sefiane, Martin E. R. Shanahan, Yifan Li and Anthony J. Walton	Electrowetting applied to nanofluids, suppressing stick-slip behaviour.
15:30	15:50	Oral presentation 10	Guillaume Perry, Florian Lapierre, Yannick Coffinier, Rabah Boukherroub and Vincent Thomy	Superhydrophobicity and graphene oxide nano-sheets to prevent biofouling in EWOD based Lab-on-chip devices
15:50	16:10	Oral presentation 11	Seung Jun Lee and Kwan Hyoung Kang	Droplet detachment from the hydrophobic surface using electrowetting
16:10	16:30	Oral presentation 12	Mihalis Kavouanakis and Athanasios G. Papathanasiou	Wetting transitions on patterned surfaces with tunable wettability: a mesoscopic computational analysis
17:30	23:30	Excursion to Cape Sounion: guided tour Dinner at the 'Fish Tavern Elias' in Sounion		

Saturday, 23 June 2012			Speaker	Title
8:00	9:30	Breakfast		
9:30	10:00	Best-posters presentation (30min)		
Session 7				
10:00	10:40	Invited talk 9	Kuiper Stein	Electrowetting without dielectric breakdown
10:40	11:00	Oral presentation 13	VdiVirgilio, S. Bermejo, L.Castaner	Charge driving of electrowetting devices
11:00	11:20	Oral presentation 14	C. U. Murade , Dirk van den Ende and F. Mugele	Electrowetting driven optofluidics
11:30	12:00	Closing Remarks and Discussion		