Program for EMN Meeting on Microfluidics and Nanofluidics 2016		
Tuesday, April 5		
9:00-18:00	**Onsite registration & Sign up**	
Wednesday Morning, April 6 **Room A**		
08:00-08:10	**Opening Ceremony**	
Session: Microfluidics and Nanofluidics for Biological and Medical Applications		**Chair: Philipp Rudolf von Rohr**
08:10-08:35	A01: New Fiber sensor and optofluidics applications for security, industry and medicine	**Antonello Cutolo** University of Sannio, Italy
08:35-09:00	A02: Fully automated centrifugal microfluidic technology to isolate circulating tumor cells	**Minseok Kim** Konyang University, Korea
09:00-09:25	A03: Recent progress in compact heat exchanger and their functionality integration	**Lingai Luo** Centre National de la Recherche Scientifique (CNRS), France
09:25-09:50	A04: Microfluidics for Biological and Medical Applications	**Mohammad Ameen Qasaimeh** New York University Abu Dhabi, UAE
09:50-10:05	**Session Break**	

10:05-10:30	A05: Reversing the role of microfluidics for Single-Cell analysis	**Gavin Jeffries** Chalmers University of Technology, Sweden
10:30-10:55	A06: Development of Microfluidics Targeting Tumor Heterogeneity	**Jian Chen** Institute of Electronics, Chinese Academy of Sciences
Session: Droplet, Bubble, Multiphase Flow and Phase Change in Microfluidics		**Chair: Antonello Cutolo**
10:55-11:20	A07: Two and three-phase flow in microchannels	**Philipp Rudolf von Rohr** ETH Zurich, Switzerland
11:20-11:45	A08: Dynamic wetting property characterization of AFM probes through tip-nanobubble interaction	**Yuliang Wang** Beihang University, China
11:45-12:10	A09: Exploiting the limitless number of colors of QDs --The quantum dot spectrometer	**Jie Bao** Tsinghua University, China
12:10	**Lunch Break**	

Wednesday Afternoon, April 6 **Room A**

Session: Micro/Nano-Fabrication Technologies and Lab-on-Chip Manufacturing Chair: Marc-Peter Schmidt		
13:30-13:55	A10: Eco-friendly fabrication techniques for porous 3D constructs	**Rajiv K. Srivastava** Indian Institute of Technology, India
13:55-14:20	A11: Nano and Photonics Integrated Lab On Chips (LOCs) for Bio-Detection	**Muthukumaran Packirisamy** Concordia University, Canada
14:20-14:45	A12: Femtosecond laser technology and micro injection moulding for the fabrication of polymeric Lab-on-Chip	**Annalisa Volpe** The University of Bari, Italy
14:45-15:10	A13: Nonlinear Bessel beams for high aspect ratio laser microstructuring of transparent materials	**Ottavia Jedrkiewicz** CNR, Institute for Photonics and Nanotechnologies, Italy
15:10-15:35	A14: Microfluidic-chip-integrated Optical Tweezers for single-cell trapping and spectroscopy	**Carlo Liberale** King Abdullah University of Science and Technology, Saudi Arabia
15:35-16:00	**Session Break& Poster**	
Poster	P1: Mono Dispersed Liquid Crystal Droplets	**Chul Gyu Jhun** Hoseo Univeristy, Korea

Poster	P2: Gold Nanoparticles consequence for Malignant cellular Model	**Muhammad Umar Farooq** University of Electronic Science and Technology of China
Session: Microfluidics and Nanofluidics Devices I		**Chair: Muthukumaran Packirisamy**
16:00-16:45	A15: Modern impedance spectroscopy analysis of fluids in microchannels	**Marc-Peter Schmidt** University Magdeburg, Germany
16:45-17:10	A16: Modelling of nonlinear electrophoresis in micro- and nano-fluidic devices	**Supreet Singh Bahga** Indian Institute of Technology, India
17:10-17:35	A17: Collective dynamics in complex fluid system	**Laishram Modhuchandra** Institute for Plasma Research, India
17:35-18:00	A18: Thermal and Hydrodynamic Investigation of Nanofluids Flow in a Novel Three Dimensional Micro Channel Device	**Krishna Deo Prasad Nigam** Indian Institute of Technology, India
18:00	**Dinner Social**	

Wednesday Morning, April 6

Room B

Session: Microfluidics and Nanofluidics Devices II		Chair: Annalisa Volpe
08:35-09:00	B1: Heat Transfer Enhancement and Suppression of Flow Boiling Instability in a Compact Channel	**K. R. Balasubramanian** National Institute of Technology, India
09:00-09:25	B2: Thermodynamic performance comparison of R134a based vapour absorption refrigeration	**Mariappan Vairavan** National institute of Technology, India
09:25-09:50	B3: Effect of Surface Modifications on Nucleate Boiling of Ethylene Glycol/Water Mixture	**Srirangaraya Venkatachalapathy** National institute of Technology, India
09:50-10:05	**Session Break**	
10:05-10:30	B4: Hybrid nanofluids as a practical option for 3-dimensional electronics cooling system	**Suresh Sivan** National institute of Technology, India
10:30-11:00	B5: Experimental investigation of carbon dioxide sequestration using polyol based nano fluids	**S. P. Sivapirakasam** National institute of Technology, India
12:00	**Lunch**	

April 08
One day Academic exchange & Excursion