Program for EMN Orlando 2017		
Monday Dec. 4 (14:00-17:00) **On-site Registration**		
Tuesday Dec. 5 **Room B**		
	Lunch Break	
Session: EMN Droplets I Chair: Anna Martinelli		
13:30-13:55PM	The involvement of lipid synthesis pathways in the regulation of milk fat globule size	**Nurit Argov-Argaman** Hebrew University of Jerusalem, Israel
13:55 -14:20PM	Active Demulsification Using Photo-responsive Surfactants	**Yukishige Kondo** Tokyo University of Science, Japan
14:20 -14:45PM	Internally structured multi-compartment nanodroplets by fusion processing	**Thomas G. Mason** UCLA, USA
14:45 -15:10PM	Dynamics of Miscible Liquid-Liquid Interface Studied by Droplet Collision	**Jun-ya Kohno** Gakushuin University, Japan
15:10 -15:35PM	Penetration Behavior of a Water Droplet into a Cylindrical Hydrophobic Pore	**Yoshimune Nonomura** Yamagata University, Japan
15:35-15:50PM	Session Break	
Session: EMN Multifunctional Hybrid Nanomaterials I Chair: Yukishige Kondo		
15:50-16:15PM	2D materials on carbon for improved electrocatalyst	**Ram Gupta** Pittsburg State University, USA
16:15-16:40PM	Modified nano-porous silica for enhanced ionic and protic conduction	**Anna Martinelli** Chalmers University of Technology, Sweden
16:40-17:05PM	Conversion of CO2 into useful chemical products using bio-electrochemical catalysis	**Liviu Mihai Dumitru** Johannes Kepler University, Austria
17:05-17:30PM	Graphene and Beyond: Synthesis and Characterization	**Ariel Ismach** Tel-Aviv University, Israel
17:30-17:55PM	Metallized Nitrogenated Holey Graphene Nanosheets (C2N): A Promising Material for High Capacity Clean Energy Storage	**Tanveer Hussain** The University of Queensland, Australia
17:55PM	Dinner Social	

Program for EMN Orlando 2017		
Wednesday Dec. 6 Room B		
Session: EMN Droplets II Chair: Jean-Paul (Moshe) Lellouche		
8:20-8:55	Dewetting of thin films and droplet coarsening in the presence of long range and oscillatory interactions	**Leonardo Golubovic** West Virginia University, USA
8:55-9:20	Nuclear Lipid droplets are a dynamic cellular organelle	**Ana Ves-Losada** National University of La Plata, Argentine
9:20-9:45	On wetting of superhydrophobic surfaces by the droplet impact	**Ken Yamamoto** Tokyo University of Science, Japan
9:45-10:20	Poster Session	
Session: EMN Multifunctional Hybrid Nanomaterials II Chair: Ram Gupta		
10:20-10:45	Multi-functional perovskites for multi-source energy harvesting and sensing: from ceramics to nanomaterials	**Yang Bai** University of Oulu, Finland
10:45 -11:10	Nanostructured Si-Ge:H films: Electronic Properties for PV and Other Device Applications	**Andrey Kosarev/Ismael Cosme Bolanos** Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE), Mexico
11:10-11:35	Novel Versatile Surface Chemical Engineering of Mechanically Robust Inorganic Tungsten Disulfide (WS2) Nanotubes (f-INT-WS2) - Potentiality for Novel Non-Toxic Inorganic Polymer-Based Nanoscale Nanofillers	**Jean-Paul (Moshe) Lellouche** Bar-Ilan University, Israel
11:35-12:00	Exploring electromagnetic responses of nanocomposites as absorbers	**Sangeeta Kale** Defence Institute of Advanced Technology (DIAT), India
12:00-13:30	Lunch Break	
Session: EMN Droplets III Chair: Jiming Bao		
13:30-13:55	A Remark on Gas Flow during the Very Early Stage of Droplet Impact: Numerical Analysis of Gas Flow in a Suddenly Moving Corner	**Yoshinori JINBO** National Center for Theoretical Sciences, National Taiwan University, Taiwan

13:55 -14:20	Droplet microfluidics with embedded logic operations	**Piotr M. Korczyk** Polish Academy of Sciences, Poland
14:20 -14:45	Studying the real-time interplay between triglyceride digestion and bioaccessibility of lipophilic micronutrients using droplet-based microfluidics	**Hoang-Thanh Nguyen** INRA, France
14:45 -15:10	Microfluidic Separation of Main and Satellite Emulsion Droplets through Micropillar Arrays	**Takasi Nisisako** Tokyo Institute of Technology, Japan
15:10 -15:35	Water droplets bouncing off textured hydrophobic surfaces	**Jun Zou/Chen Ji** Zhejiang University, China
15:35-15:50	Session Break	
Session: EMN Droplets IV Chair: Piotr M. Korczyk		
15:50-16:15	Laser streaming: Turning a laser beam into a flow of liquid	**Jiming Bao** University of Houston, USA
16:15-16:40	Nanospace fluids under minimal amplitude shear	**Masami Kageshima** Osaka Electro-Communication University, Japan
16:40-17:05	Synthesis of oxide-free Cu nanoparticles under the atmospheric condition and their complete decomposition	**Hideki Tanaka** Chuo University, Japan
17:05-17:30	Step droplets on a crystal surface with properties similar to one-dimensional clusters	**Noriko Akutsu** Osaka Electro-Communication University, Japan
17:55	Dinner Social	

Program for EMN Orlando 2017		
Thursday Dec. 7 **Room B**		
Session: EMN Nanopores and nanocomposite Chair: Masanori Kikuchi		
8:25-8:50	An Optical Study of Molecular Transport and Accumulation in Nanoporous Silica Gel	**Gary Tepper** Virginia Commonwealth University, USA
8:50-9:15	On the Detection, Characterization, and Identification of Single Molecule with Nanopores	**John J. Kasianowicz** National Institute of Standards and Technology (NIST), USA

9:15-9:40	Thermodynamics in nanoporous electrodes	**Kenji Kiyohara** National Institute of Advanced Industrial Science and Technology (AIST), Japan
9:40-10:05	From Mayan pigments to innovative nanocomposite materials and beyond	**Roberto Giustetto** University of Turin, Italy
10:05-10:20	Session Break	
Session: EMN Droplets V Chair: John J. Kasianowicz		
10:20-10:45	Hydroxyapatite/collagen nanocomposite paste for additive manufacturing of scaffold	**Masanori Kikuchi** Bioceramics Group, Research Center for Functional Materials, National Institute for Materials Science, Japan
10:45 -11:10	Spray and Droplet combustion on bio-oil multicomponent fuel	**Ian Shou-Yin Yang** National Formosa University, Taiwan
11:10-11:35	Kinetics of dissolution during polymeric Janus particle formation	**Pavithra Sundararajan** Pavithra Sundararajan, Merck & Co. USA
11:35-12:00	Droplets and the three-phase interface for heat and mass transport	**Shawn A. Putnam** University of Central Florida, USA
	Lunch Break	
Session: EMN Droplets VI Chair: Antonio S. Araujo		
13:30-13:55	The Effects of the surface roughness on the dynamic behavior of the micro droplet impacting onto inclined hot surface	**Masamichi Kohno** Kyushu University, Japan
13:55 -14:20	Effect of chemical compounds on artificial cell models	**Kazunari Yoshida** Yamagata University, Japan
14:20 -14:45	Contact Line Friction of Electrowetting Actuated Viscous Droplets	**Quoc Vo** Nanyang Technological University, Singapore
14:45 -15:10	Innovative Lithium Recycling Technology from Used Li-ion Batteries using a Lithium Ionic Superconductor	**Tsuyoshi HOSHINO** National Institutes for Quantum and Radiological Science and Technology (QST), Japan
15:10 -15:35	Microstructure formation in a drop of immiscible alloys	**Jiuzhou Zhao** Institute of Metal Research,Chinese Academy of Sciences, China
15:35-15:50	Session Break	
Session: EMN Multifunctional Hybrid Nanomaterials III Chair: Tsuyoshi HOSHINO		

15:50-16:15	Nano-fluorescence-probes based on supramolecular assemblies	**Bo Song** Soochow University, China
16:15-16:40	Novel materials and fabrication techniques for wearable energy generation and storage devices - from piezoelectric fibers to li-ion threads	**Maksim Skorobogatiy** Ecole Polytechnique de Montréal, Canada
16:40-17:05	Structural and optical properties of bimetallic linear atomic chains of Au-Ag and Au-Pt	**Ami Chand Sharma** University of Baroda, India
17:05-17:30	Development of hybrid micro-mesoporous materials for pyrolysis of petroleum residue	**Antonio S. Araujo** Federal University of Rio Grande do Norte, Brazil
17:30-17:55	Cation Exchange: past, present, future	**Alberto Casu** King Abdullah University of Science and Technology, Saudi Arabia
17:55	Dinner Social	

Wednesday Dec. 6
Poster Session Chair: Jiming Bao

P1: Spectroscopic and electron-microscopic investigation on wings of Chrysopidae family (green lacewings)	**Kazunari Yoshida** Yamagata University, Japan
P2: Optical properties of carbon nanodots prepared in different solvents and their applications in pH sensing	**Yun Lu** Nanjing University, China
P3: Spray deposition of transparent conducting networks with high uniformity on flexible substrates	**Geon-Woong Lee** Korea Electrotechnology Research Institute, Korea
P4: Non-aqueous quasi-solid state electrolyte based electrical double layer capacitors	**Ji Su Chae** Korea Institute of Ceramic Engineering & Technology, Korea
P5: Ribbon-like activated carbon with a multi-structure for supercapacitor	**Kwang Chul Roh** Korea Institute of Ceramic Engineering & Technology, Korea
P6: Solution-Processed Indium Zinc Oxide Thin-Film Transistors by Different Spin Coating Speed	**Zi-Tong Ao/Sung-Jin Kim** Chungbuk National University, Korea
P7: Efficient Interface Treatment using Polymer Nanolayer for High Performance Inverted Polymer Solar Cells	**Sungho Woo** DGIST, South Korea
P8: Facile synthesis of NiCo2O4/CNTs hybrid nanostructure as an electrocatalyst for methanol oxidation	**Tarekegn H. Dolla** University of Johannesburg, South Africa