

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

07:55-08:20	Carbon-Based Antimicrobial Nanomaterials	<b>Liju Yang</b> North Carolina Central University, USA
8:20-8:55	Dewetting of thin films and droplet coarsening in the presence of long range and oscillatory interactions	<b>Leonardo Golubovic</b> West Virginia University, USA
8:55-9:20	Nuclear Lipid droplets are a dynamic cellular organelle	<b>Ana Ves-Losada</b> National University of La Plata, Argentina
9:20-9:45	On wetting of superhydrophobic surfaces by the droplet impact	<b>Ken Yamamoto</b> 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	<b>Yang Bai</b> University of Oulu, Finland
10:45 -11:10	Nanostructured Si-Ge:H films: Electronic Properties for PV and Other Device Applications	<b>Andrey Kosarev/Ismael Cosme Bolanos</b> Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE), Mexico
11:10-11:35	Novel Versatile Surface Chemical Engineering of Mechanically Robust Inorganic Tungsten Disulfide (WS <sub>2</sub> ) Nanotubes (f-INT-WS <sub>2</sub> ) - Potentiality for Novel Non-Toxic Inorganic Polymer-Based Nanoscale Nanofillers	<b>Jean-Paul (Moshe) Lellouche</b> Bar-Ilan University, Israel
11:35-12:00	Exploring electromagnetic responses of nanocomposites as absorbers	<b>Sangeeta Kale</b> 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	<b>Yoshinori JINBO</b> National Center for Theoretical Sciences, National Taiwan University, Taiwan
13:55 -14:20	Droplet microfluidics with embedded logic operations	<b>Piotr M. Korczyk</b> 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	<b>Hoang-Thanh Nguyen</b> INRA, France
14:45 -15:10	Microfluidic Separation of Main and Satellite Emulsion Droplets through Micropillar Arrays	<b>Takasi Nisisako</b> Tokyo Institute of Technology, Japan
15:10 -15:35	Water droplets bouncing off textured hydrophobic surfaces	<b>Jun Zou/Chen Ji</b> Zhejiang University, China
15:35-15:50	Session Break	
<b>Session: EMN Droplets IV      Chair: Piotr M. Korczyk</b>		
15:50-16:15	Laser streaming: Turning a laser beam into a flow of liquid	<b>Jiming Bao</b> University of Houston, USA
16:15-16:40	Nanospace fluids under minimal amplitude shear	<b>Masami Kageshima</b> Osaka Electro-Communication University, Japan
16:40-17:05	Synthesis of oxide-free Cu nanoparticles under the atmospheric condition and their complete decomposition	<b>Hideki Tanaka</b> Chuo University, Japan
17:05-17:30	Step droplets on a crystal surface with properties similar to one-dimensional clusters	<b>Noriko Akutsu</b> Osaka Electro-Communication University, Japan
17:55	Dinner Social	

<b>Program for EMN Orlando 2017</b>		
<b>Thursday Dec. 7</b>		
<b>Room B</b>		
<b>Session: EMN Nanopores and nanocomposite Chair: Masanori Kikuchi</b>		
8:00-8:25	Aqueous synthesis of well-defined block copolymers via Cu(0)-mediated RDRP	<b>Fehaid M. Alsubaie</b> King Abdulaziz City for Science and Technology (KACST), Kingdom of Saudi Arabia

8:25-8:50	An Optical Study of Molecular Transport and Accumulation in Nanoporous Silica Gel	<b>Gary Tepper</b> Virginia Commonwealth University, USA
8:50-9:15	On the Detection, Characterization, and Identification of Single Molecule with Nanopores	<b>John J. Kasianowicz</b> National Institute of Standards and Technology (NIST), USA
9:15-9:40	Thermodynamics in nanoporous electrodes	<b>Kenji Kiyohara</b> National Institute of Advanced Industrial Science and Technology (AIST), Japan
9:40-10:05	From Mayan pigments to innovative nanocomposite materials and beyond	<b>Roberto Giustetto</b> University of Turin, Italy
10:05-10:20	Session Break	
<b>Session: EMN Droplets V    Chair: John J. Kasianowicz</b>		
10:20-10:45	Hydroxyapatite/collagen nanocomposite paste for additive manufacturing of scaffold	<b>Masanori Kikuchi</b> 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	<b>Ian Shou-Yin Yang</b> National Formosa University, Taiwan
11:10-11:35	Kinetics of dissolution during polymeric Janus particle formation	<b>Pavithra Sundararajan</b> Pavithra Sundararajan, Merck & Co. USA
11:35-12:00	Droplets and the three-phase interface for heat and mass transport	<b>Shawn A. Putnam</b> University of Central Florida, USA
Lunch Break		
<b>Session: EMN Droplets VI    Chair: Antonio S. Araujo</b>		
13:30-13:55	The Effects of the surface roughness on the dynamic behavior of the micro droplet impacting onto inclined hot surface	<b>Masamichi Kohno</b> Kyushu University, Japan
13:55 -14:20	Effect of chemical compounds on artificial cell models	<b>Kazunari Yoshida</b> Yamagata University, Japan
14:20 -14:45	Contact Line Friction of Electrowetting Actuated Viscous Droplets	<b>Quoc Vo</b> Nanyang Technological University, Singapore
14:45 -15:10	Innovative Lithium Recycling Technology from Used Li-ion Batteries using a Lithium Ionic Superconductor	<b>Tsuyoshi HOSHINO</b> National Institutes for Quantum and Radiological Science and Technology (QST), Japan

15:10 -15:35	Microstructure formation in a drop of immiscible alloys	<b>Jiuzhou Zhao</b> Institute of Metal Research, Chinese Academy of Sciences, China
15:35-15:50	Session Break	
<b>Session: EMN Multifunctional Hybrid Nanomaterials III</b>		<b>Chair: Tsuyoshi HOSHINO</b>
15:50-16:15	Nano-fluorescence-probes based on supramolecular assemblies	<b>Bo Song</b> 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	<b>Maksim Skorobogatiy</b> Ecole Polytechnique de Montréal, Canada
16:40-17:05	Structural and optical properties of bimetallic linear atomic chains of Au-Ag and Au-Pt	<b>Ami Chand Sharma</b> University of Baroda, India
17:05-17:30	Development of hybrid micro-mesoporous materials for pyrolysis of petroleum residue	<b>Antonio S. Araujo</b> Federal University of Rio Grande do Norte, Brazil
17:30-17:55	Cation Exchange: past, present, future	<b>Alberto Casu</b> King Abdullah University of Science and Technology, Saudi Arabia
17:55	Dinner Social	
<b>Wednesday Dec. 6</b>		
<b>Poster Session Chair: Jiming Bao</b>		
P1: Spectroscopic and electron-microscopic investigation on wings of Chrysopidae family (green lacewings)	<b>Kazunari Yoshida</b> Yamagata University, Japan	
P2: Optical properties of carbon nanodots prepared in different solvents and their applications in pH sensing	<b>Yun Lu</b> Nanjing University, China	
P3: Spray deposition of transparent conducting networks with high uniformity on flexible substrates	<b>Geon-Woong Lee</b> Korea Electrotechnology Research Institute, Korea	
P4: Non-aqueous quasi-solid state electrolyte based electrical double layer capacitors	<b>Ji Su Chae</b> Korea Institute of Ceramic Engineering & Technology, Korea	
P5: Ribbon-like activated carbon with a multi-structure for supercapacitor	<b>Kwang Chul Roh</b> Korea Institute of Ceramic Engineering & Technology, Korea	
P6: Solution-Processed Indium Zinc Oxide Thin-Film Transistors by Different Spin Coating Speed	<b>Zi-Tong Ao/Sung-Jin Kim</b> Chungbuk National University, Korea	

<p>P7: Efficient Interface Treatment using Polymer Nanolayer for High Performance Inverted Polymer Solar Cells</p>	<p><b>Sungho Woo</b> DGIST, South Korea</p>
<p>P8: Facile synthesis of NiCo<sub>2</sub>O<sub>4</sub>/CNTs hybrid nanostructure as an electrocatalyst for methanol oxidation</p>	<p><b>Tarekegn H. Dolla</b> University of Johannesburg, South Africa</p>