

Program for EMN Coratia Meeting 2019		
MON Oct. 21 (14:00-17:00PM) On Site Registration		
TUE Oct. 22 Meeting Room: Coral		
Session: FE I Chair: Xiaozhong Zhang		
9:00-9:25	A01: Inkjet-/3D-/4D-Printed Wireless Ultrabroadband Modules for IoT, SmartAg and Smart Cities Applications	Manos M. Tentzeris Georgia Institute of Technology, USA
9:25-9:50	A02: High mobility of amorphous oxide SiZnSnO thin film transistor for display applications	Sang Yeol Lee Cheongju University, Korea
9:50-10:15	A03: Flexible electronics with printed silicon	Ryoichi Ishihara Delft University of Technology, The Netherlands
10:15-10:40	A04: Diagnosis and treatment monitoring of neuro muscular disease using wearable electronics	Philip J. Broser Children's Hospital of Eastern Switzerland St.Gallen, Switzerland
10:40-10:55	Session Break	
Session: Porous Materials I Chair: David Faux		
10:55 -11:20	A05: Gas physisorption for porosity characterization – some examples of misinterpretations	Tomáš Zelenka University of Ostrava, Czech Republic
11:20-11:45	A06: Porous materials for nanocatalytic carbon (di)oxide methanation	Jaroslav Polanski University of Silesia, Poland
11:45-12:10	A07: Water Adsorption Mechanism on Porous Carbon Materilas	Toshihide Horikawa University of Tokushima, Japan

12:10-12:25	A08: Nitrogen and Fluorine Co-doped Activated Carbon for Supercapacitors	Juyeon Kim Energy Materials Center, Korea Institute of Ceramic Engineering & Technology, Korea
12:25-12:40	A09: High-performance energy-storing textiles enabled by nanostructured porous materials	Xiong Pu Beijing Institute of Nanoenergy and Nanosystems, CAS, China
12:40-14:00	Lunch Break	

TUE Oct. 22		
Meeting Room: Coral		
Session: Porous Materials II Chair: Tomáš Zelenka		
14:00 -14:25	A10: Small Holes in Graphene: a Key in Graphene-Assisted Chemical Etching of Semiconductor Surfaces	Kenta Arima Osaka University, Japan
14:25 -14:50	A11: Porosity of graphene synthesized using direct current plasma torch	Ravil Amirov Joint Institute for High Temperatures, RAS, Russia
14:50 -15:15	A12: Atomic-scale modeling of porous glassy systems and their surfaces towards the quantitative prediction of their structure and adsorption properties	Guido Ori Institut de Physique et Chimie des Matériaux de Strasbourg (IPCMS), France
15:15 -15:40	A13: Nano-scale characterisation of porous material by fast-field-cycling NMR	David Faux University of Surrey, UK
15:40 -15:55	Session Break	
Session: FE II Chair: Manos M. Tentzeris		
15:55-16:20	A14: Scalable Fabrication of Energy Storage Systems for Printed and Flexible Devices	James Watkins University of Massachusetts, USA

16:20-16:45	A15: Solution-processed quantum dots for flexible optoelectronics	Iman S. Roqan King Abdullah University of Science and Technology, Kingdom of Saudia Arabia
16:45-17:10	A16: Fractal Architectures for Flexible Electronics: Laser Methods and Scalable Applications	Thanos Tiliakos National Institute for Laser, Plasma and Radiation Physics, Romania
17:10-17:35	A17: Spin Logic Device of In-memory Computing	Xiaozhong Zhang Tsinghua University, China
17:35-18:00	A18: Low-Dimensional Nanomaterials for Flexible Memory Devices	Juqing Liu Nanjing Tech University, China
18:00-18:15	A19: Polymeric foams for flexible and highly sensitive low-pressure capacitive sensors	Mickaël Pruvost MIE Lab - ESPCI, Paris, France
18:30PM	Dinner Social	

WED Oct. 23		
Meeting Room: Coral		
Session: FE III Chair: Albert Cirera Hernandez		
9:00-9:25	A20: Inspection of structure by electromagnetic and vibration type actuator	Hiroyuki Yaguchi Tohoku Gakuin University, Japan
9:25-9:50	A21: Stretchable oxide electronics for sensing applications	Madhu Bhaskaran RMIT University, Melbourne, Australia
9:50-10:15	A22: Carbon Nanotube for Wearable and Robust Electronics	Kenji Hata National Institute of Advanced Industrial Science and Technology, Japan
10:15-10:40	A23: Oxide semiconductor based diodes, transistors, and circuits forwearable electronics	Qian Xin Shandong University, China

10:40-10:55	Session Break	
Session: Porous Materials III Chair: Mariem Kacem Boureau		
10:55 -11:20	A24: Rigid Plastic Models for Metallic Porous and Powder Materials	Sergey Alexandrov Beihang University, China
11:20-11:45	A25: Evolution for Iron(II) Spin Crossover Hofmann-like MOF Materials	Takafumi Kitazawa Toho University, Japan
11:45-12:10	A26: Li Diffusion in Garnet-type Electrolytes studied by the PFG NMR Spectroscopy	Kikuko Hayamizu University of Tsukuba, Japan
12:10-12:25	A27: Towards understanding gas flow in functionalized mesoporous membranes	Benjamin Besser University of Bremen, Germany
12:25-12:40	A28: Modelling the drying shrinkage of porous materials incorporating capillary and adsorption effects	Ginger El Tabbal EDF- Lab Paris-Saclay, France
12:40-14:00	Lunch Break	

WED Oct. 23		
Meeting Room: Coral		
Session: Porous Materials IV Chair: Sergey Alexandrov		
14:00 -14:25	A29: Design of Porous Organic Salts (POS) with Versatile Function	Norimitsu Tohnai Osaka University, Japan
14:25 -14:50	A30: Discontinuous porosity approach to study a sand-clay media mixed with foam	Mariem Kacem Boureau Ecole Nationale d'Ingénieurs de Saint-Etienne, France
14:50 -15:15	A31: About Industrial Porous Materials: Limits of Pollutants Filtration within Carborundum Foam Ceramic Structures	Karim Ragui University of Sciences and Technology, Algeria

15:15-15:30	A32: Porosity characterization of wet solids: DSC thermoporometry and ¹ H NMR relaxometry	Vaclav Slovak University of Ostrava, Ostrava, Czech Republic
15:30-15:45	A33: A self-standing supercapacitor electrode based on MOF-derived NiO/C@CNF composite	Seoyoon Shin Yonsei University, Korea
15:45-16:20	POSTER SESSION Chair: Sergey Alexandrov	
Session: FE IV Chair: Madhu Bhaskaran		
16:20-16:45	A34: New Flexible Hybrid Electronics Technologies for Biomedical Application	Takafumi Fukushima Tohoku University, Japan
16:45-17:10	A35: Polymer Assisted Deposition of Epitaxial Oxides Thin-Films and Multilayers	José M. Vila-Fungueiriño Université de Montpellier, France; Universidade de Santiago de Compostela, Spain
17:10-17:35	A36: Hybridizing SMD technology with inkjet Printed Circuit Board	Albert Cirera Hernandez Universitat de Barcelona, Spain
17:35-18:00	A37: Novel Antennas and RF Structures for Wearable Technology and IoT Applications	Haider Raad Xavier University, USA
18:00-18:25	A38: Ultra-thin Langmuir–Blodgett thin films: Gas sensing and energy harvesting applications	Vibha Saxena Bhabha Atomic Research Centre, India
18:30	Dinner Social	
THU Oct. 24 (One-day Excursion)		

WED Oct. 23

Poster session Chair: Sang Yeol Lee

15:45 -16:20

P01: Optimization of oxygen chemisorption on the carbon surface based on kinetic analysis of isothermal thermogravimetry	Gabriela Hotová University of Ostrava, Czech Republic
P02: Characterization of porous carbon paper electrode prepared from the bleached rice husk pulps for supercapacitor application	Hye Kyoung Shin Jeonju University, Korea
P03: The effect of ILs as co-salts in electrolytes for high voltage supercapacitors	Kwang Chul Roh Energy Materials Center, Korea Institute of Ceramic Engineering & Technology, Korea
P04: The effect of porosity on sorption properties of oxide materials	Agnieszka Martyla Łukasiewicz Research Network - Institute of Non-ferrous Metals Division in Poznan, Poland
P05: Porous organosilanes as potential sorbents of hydrogen	Monika Osinska-Broniarz Łukasiewicz Research Network - Institute of Non-ferrous Metals Division in Poznan, Poland
P06: A study on a hybrid index matching layer of the Mn-SnO ₂ /Ag/Mn-SnO ₂ tri-layer film on PET substrate	Guneik Jang Chungbuk National University, Korea
P07: Wearable Piezo Haptic Matrix	Zoran Radivojevic Nokia-Bell Lab, Cambridge, UK
P08: Novel 2-Micrometer Ag-Coated Cu Materials for High-Speed Die-Attach at below 250 °C	Jong-Hyun Lee Seoul National University of Science and Technology, Seoul, Republic of Korea
P09: Advanced nanostructured carbon/flexible polymer composites for multifunctional sensing	Maris Knite Riga Technical University, Latvia

<p>P10: Effect of Mechanical Fatigue on Flexible Lithium Ion Battery for Wearable Electronics Applications</p>	<p>Jai-Won Byeon Seoul National University of Science and Technology, Seoul, Korea</p>
<p>P11: Effect of Mechanical Fatigue on the Functional Degradation of Flexible Transparent Conductive Ag-nanowire Film</p>	<p>Jang-Hun Jo Seoul National University of Science and Technology, Korea</p>