

Program for 2018 EMN Milan Meeting*July 9-13, Milan, Italy***Monday, July 9****Registration****Time: 14:00~17:00****Tuesday morning, July 10****Room A****Session: Magnetic Nanomaterials I Chair: Karine Chesnel**

8:30-9:00	A01: Penetrated Delivery Energy and Energy by Functional Nanoparticles	Shang-Hsiu Hu National Tsing Hua University, Taiwan (Keynote Talk)
9:00-9:25	A02: Magnetoelectric Resonant Sensor Array for Multi-axis Magnetic Field Detection	Hoe Joon Kim Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea
9:25-9:50	A03: Enhancing MRI signal through nanoparticle surface chemistry	Graeme Stasiuk University of Hull, UK
9:50-10:15	A04: Smart Nano-Systems Based on Polymeric Lipid Vesicles and Their Applications in Tumor Diagnosis and Therapy	Jin Chang Tianjin University, China
10:15-10:30	Coffee Break	
Session: Mesoporous Materials I Chair: Márcia C. A. Fantini		
10:30-10:55	A05: Nanospace Catalysis for green production of chemicals	Toshiyuki Yokio Tokyo Institute of Technology, Japan
10:55-11:20	A06: Understanding the CO ₂ adsorption selectivity in amine functionalized mesoporous materials	Moisés Pinto Universidade de Lisboa, Portugal
11:20-11:45	A07: Controlled Growth of Porous Metal-Organic Frameworks (MOFs); Way to Make Ideal MOFs	Moonhyun Oh Yonsei University, Korea
11:45-12:10	A08: Multifunctional mesoporous silica nanostructures for biomedical applicationn	Zulema Vargas-Osori University of Santiago de Compostela, Spain
12:10-12:35	A09: Preparation of porous carbon materials and application for environmental and energy industries	Ji Sun Im Korea Research Institute of Chemical Technology (KRICT), Korea
12:35-14:00	Lunch Break	

Tuesday afternoon, July 10**Room A****Session: Mesoporous Materials II****Chair: Moisés Pinto**

14:00-14:25	A10: Laterally Porous GaN and Its Optoelectronic Applications	Lixia Zhao Institute of Semiconductors, CAS, China
14:25 -14:50	A11: Mesoporous silica as vaccine adjuvant	Márcia C. A. Fantini Universidade de São Paulo(USP), Brazil
14:50 -15:15	A12: A Key Role of Electrostatic Interaction in Nanoscale Molecular Behaviors	Katsumi Kaneko Shinshu University, Japan
15:15 -15:40	A13: Multiscale modeling of confined fluids	Joel Puibasset ICMN - CNRS Orleans, France
15:40-16:00	Coffee Break	
Session: Magnetic Nanomaterials II		Chair: Graeme Stasiuk
16:00-16:25	A14: Superconductivity at 19 K in Bi nanoparticles enhanced by Ni-doping	Wen-Hsien Li National Central University, Taiwan
16:25-16:50	A15: Magneto-electric effects in electroplated hierarchically porous FeCu films patterned by colloidal lithography	Evangelia Dislaki Autonomous University of Barcelona, Spain
16:50-17:15	A16: Visualising dynamic magnetic events on the nano-scale using electron microscopy	Trevor P. Almeida University of Glasgow, UK
17:15-17:40	A17: Hybrid Co@Ni-based magnetic Nanorods for Biosensing and Catalytic Properties	Marta Estrader Laboratoire de Physique et Chimie des Nano-objects, CNRS, INSA, France
17:40	Dinner Social	

Wednesday morning, July 11

Room A

Session: Mesoporous Materials III Chair: Cheng Zhu

8:30-8:55	A18: Ordered Mesoporous Silicates as Catalysts for C-C Bond Forming Reactions	Yoshihiro Kubota Yokohama National University, Japan
8:55-9:20	A19: Mesoporous particles with controllable anisotropic magnetic properties	Marianne Impéror Laboratoire de Physique des Solides, UMR 8502, Université Paris-Sud, France
8:20-9:45	A20: 1D single crystals BiTe and ZnO to combine organic photovoltaic and thermoelectric	Tito Busani Center for High Technology Materials, USA
9:45-10:10	A21: Mg-stabilized multi-shelled Hollow CaO-based Microspheres for CO ₂ capture	Shengping Wang Tianjin University, China
10:10-10:25	Coffee Break	
Session: Magnetic Nanomaterials III Chair: Wen-Hsien Li		
10:25-10:50	A22: Magnetic domain memory induced via exchange bias	Karine Chesnel Brigham Young University, USA
10:50-11:15	A23: Microstructures and magnetic properties of (La _{1-x} Pr _x) _{0.67} Ca _{0.33} MnO ₃ nanoparticles synthesized via sol - gel process	Xinhua Zhu Nanjing University, China
11:15-11:40	A24: Gas-phase synthesis of multifunctional Fe-based nanoparticles for biosensing	Jerome Vernieres Swansea University, UK
11:40-12:05	A25: Partial Substitution of Cobalt by Rare-Earths (Gd or Sm) in Cobalt Ferrite: Effect on its Microstructure and Magnetic Properties	Sagrario Martínez Montemayor Centro de Investigación en Química Aplicada(CIQA), Mexico
12:05-12:30	A26: The role of crystal structure in the development of core/shell nanosized iron oxides by Cation Exchange	Alberto Casu King Abdullah University of Science and Technology, Saudi Arabia
12:30-14:00	Lunch Break	

Wednesday afternoon, July 11

Room A

Session: Mesoporous Materials IV Chair: Tito Busani

14:00-14:25	A27: 3D Printing of Hierarchical Porous Functional Materials	Cheng Zhu Lawrence Livermore National Lab, USA
14:25 -14:50	A28: Impact of plasma-damaged-layer removal on GaN HEMT devices	Masako Kodera Corporate Research and Development Center, Toshiba Corporation, Japan
14:50 -15:05	A29: Co-doped activated carbon for supercapacitors	Juyeon Kim Korea Institute of Ceramic Engineering & Technology, Korea
15:05-16:00	Poster (&Coffee Break)	
16:00-16:25	A30: Freezing induced ordering of block-copolymer micelles – an innovative route to multi-porous silica monoliths	Michaela Klotz LSFC-UMR3080, CNRS/Saint-Gobain, France
16:25-16:50	A31: Roughness-controlled NiO hole-extraction layers for p-i-n type perovskite solar cells	Jin Young Kim Seoul National University, Korea
16:50-17:15	A32: A facile route to obtain mesoporous silica nanoparticles with phosphor-free luminescence	Haruyuki ISHII Tohoku University, Japan
17:15-17:40	A33: Effect of TS-TiO ₂ nanocomposites supported Co-based catalyst for Fischer-Tropsch synthesis	Zhenhua Li Tianjin University, China
17:40-18:05	A34: Preparation, properties and application of mesoporous sulfated zirconia	Gongyi Guo and Yuli Chen Shanghai Jiao Tong University, China
18:05	Dinner Social	

Wednesday afternoon, July 11
Poster session (15:05-16:00PM)

P01	Crystallization and hot extrusion densification of amorphous Nd ₂ Fe ₁₄ B and nanocrystalline α -Fe powders fabricated by mechanical milling	Jufu Jiang Harbin Institute of Technology, China
P02	Micromagnetic study and numerical simulation for exchange coupling and magnetic properties of SmCo ₅ / α -Fe nanocomposite magnets	Lianxi Hu Harbin Institute of Technology, China
P03	Drug Injection using Dome-Shaped Porous Alumina Microstructures	Jin Seok Lee Sookmyung Women's University, Korea
P04	The capacitive effect of ribbon-like activated carbon for supercapacitor	Kwang Chul Roh Korea Institute of Ceramic Engineering & Technology, Korea
P05	Cubic vs hexagonal ordered mesoporous materials with iron porphyrins as catalyst in hydrocarbon oxidation	Yassuko Iamamoto University of São Paulo, Brazil
P06	An effective total transfer process for integrating various types of electronic devices onto an elastomeric substrate	Bock Soon Na Electronics and Telecommunications Research Institute, Korea
P07	In vitro dielectric behavior of bioactive mesoporous nano-sized fillers as restorative biomedical materials	Berta Rivas University of Santiago de Compostela, Spain
P08	Particle size-controlled mesoporous silica nanoparticles by transition metal-chelating surfactant micelle templates	Jeong Ho Chang Korea Institute of Ceramic Engineering and Technology, Korea
P09	Scale-up production of Sub-micron sized ordered mesoporous silica materials in neutral condition	Jeong Ho Chang Korea Institute of Ceramic Engineering and Technology, Korea
P10	Ceramic hybrid antimicrobial films with functional porous ceramic particles	Hyesun Lee Korea Institute of Ceramic Engineering and Technology, Korea
P11	Mass Production of Mesoporous silica in Acid-free Condition	Hyesun Lee Korea Institute of Ceramic Engineering and Technology, Korea
P12	Characterization and Evaluation of Porous Vermiculite Containing Polyethylene Composites Film	Hyesun Lee Korea Institute of Ceramic Engineering and Technology, Korea

Thursday, July 12
One-day excursion