

EMN Budapest Meeting

September 9 to 13, 2016
Novotel Budapest Centrum Hotel, Budapest, Hungary

Saturday Sept. 10

8:50-9:00AM	Opening Ceremony	Zhiming Wang General Chair
Session: Characterization Methods of Nanomaterials, Photovoltaic Materials and Systems Chair: Zhiming Wang		
9:00-9:25AM	01: Properties of GaN LED structures with nanostructured surface prepared by RIE	Alexander Polyakov National University of Science and Technology MISiS, Russia
9:25-9:50AM	02: Time-resolved structural/morphological monitoring approach applied to efficient plasmonic organic photovoltaics: a route for stability enhancement	Barbara Paci Consiglio Nazionale delle Ricerche- Istituto di Struttura della Materia, Italy
9:50-10:15AM	03: Graphene doped nanocomposites	Merivan Sasmaz Adiyaman University, Turkey
10:15-10:30AM	Session Break	
Session: Nano Technology Applications Chair: Alexander Polyakov		
10:30-10:55AM	04: Laser-based methods for the processing and immobilization of nanomaterials	Eniko Gyorgy Instituto de Ciencia de Materiales de Barcelona, CSIC, Spain
10:55-11:20AM	05: Nanobeams with changeable mechanical properties and significantly modulated resonant frequencies utilizing a phase transformation of shape memory alloy thin films	Ivo Stachiv Institute of Physics, Czech Academy of Sciences, Czech Republic
Session: Optical, magnetic and electronic materials Chair: Eniko Gyorgy		
11:20-11:45AM	06: Thermal and electrical conductivities of segmented nanowires	Chumin Wang National Autonomous University, Mexico
11:45AM-12:10PM	07: Synthesis and applications of detonation nanodiamonds	Vincent Pichot Institut franco-allemand de recherches de Saint-Louis, France
Lunch Break		

Sunday Sept. 11

Session: Materials for Biology and Medicine I Chair: Mitsuharu Chisaka

8:35-9:00AM	08: Bioactive glass organic-inorganic hybrid scaffolds for bone regeneration	Jonathan Lao Université Blaise Pascal, LPC Clermont, CNRS/IN2P3, France
9:00-9:25AM	09: Self-assembling biomaterials from supramolecular hydrogels and their applications in controlled delivery systems	Gabriella Santonicola Sapienza University of Rome, Italy
9:25-9:50AM	10: Biodegradable Biomaterials Produced by Controlled Ring-Opening Polymerisations	Paul Thornton University of Leeds, UK
9:50-10:15AM	11: Dual-stimuli responsive injectable nanogel/solid drug nanoparticle nanocomposites for the long-term sustained release for poorly soluble drugs	Thomas McDonald University of Liverpool, UK
10:15-10:30AM	Session Break	
Session: Energy and Sustainable Materials Chair: V.N. Fateev		
10:30-10:55AM	12: Nano-Titanium Oxynitride Catalyst for Polymer Electrolyte Fuel Cell Cathodes	Mitsuharu Chisaka Hirosaki University, Japan
10:55-11:20AM	13: Oxide semiconductor-nanocarbon hybrid quantum dots for efficient energy applications	Wonkook Choi Korea Institute of Science and Technology (KIST), Korea
Session: General I Chair: Wonkook Choi		
11:20-11:45AM	14: Magnetron sputtering technology for nanostructure catalysts production	V.N. Fateev National research center "Kurchatov institute", Russia
11:45AM-12:10PM	15: Classical and New Trends in Surface Modification for Enzyme Immunoassays	Olena Shynkarenko V. Lashkaryov Institute of Semiconductor Physics, NAS of Ukraine, Ukraine
Lunch Break		

Monday Sept. 12

Session: General II Chair: Chumin Wang

8:35-9:00AM	16: Nanofiber materials generating singlet oxygen and their applications	Jiri Mosinger Charles University in Prague, Czech Republic
9:00-9:25AM	17: STED Lithography with Functional Polymers	Jaroslav Jacak Johannes Kepler University Linz, Austria

Session: Bioresource Chair: Jonathan Lao

9:25-9:50AM	18: Oil-field produced wastes: Analysis, Bio-treatment, and further applications	Sanket J. Joshi Sultan Qaboos University, Oman
9:50-10:15AM	19: A vision for the future bioeconomy	Vikramaditya G. Yadav The University of British Columbia, Canada

10:15-10:40AM

Session Break and Poster Session

Session: Materials for Biology and Medicine II Chair: Gabriella Santonicola

10:40-11:05AM	20: 1,2,4-Triazoles: “new old” approaches for multigram synthesis and prospects of modification	Dmytro Khomenko Taras Shevchenko National University of Kyiv, Ukraine
11:05-11:30AM	21: Low viscous bioinks for extrusion-based 3D bioprinting	Andrea Barbetta University of Rome La Sapienza, Italy

Poster Session

Monday Sept. 12 10:15-10:40

P-01

Quasiperiodicity and mirror symmetry in photonic devices

Vicenta Sanchez
National Autonomous
University, Mexico