

2017 EMN Phuket Meeting

Tuesday, November 7		
9:30-11:00 15:00-17:00	Onsite Registration & Sign up	
Wednesday, November 8 Room A (Taksina 1)		
08:55-09:00	Opening	
Session: Novel Materials and Methods for Integrated Design Chair: Xuanjun Zhang		
09:00-09:30	A01: Designing multi-functional construction materials requires a circular road from system to materials	David Yarbrough R&D Services, Inc., USA
09:30-09:55	A02: Non-Coulombic Ionic Crystals with Non-Alternate Arrangement of Complex Cations and Inorganic Anions	Takumi Konno Osaka University, Japan
09:55-10:20	A03: New tool in the development of cathode materials for Li-ion and Na-ion batteries	Janina Molenda AGH University of Science and Technology, Poland
10:20-10:45	Session Break	
Session: General Chair: David Yarbrough		
10:45-11:10	A04: Triangular pores and pillars of semiconductors prepared by anisotropic chemical etching	Sachiko Ono Kogakuin University, Hachioji, Japan
11:10-11:35	A05: The Research and Application of Black Silicon on Optoelectronic Detectors	Jian Lv University of Electronic Science and Technology of China, China
11:35-12:00	A06: Color and Optical Absorbance Properties of Aluminate Spinels : An Investigation for Pigment Application	Bhuvanewari Gopal VIT University, India
12:10	Lunch Break	

**Wednesday, November 8
Room A (Taksina 1)**

Session: Lightweight Metallic Alloys Chair: Jian Lv

14:00 -14:25	A07: Ultra-strong Ni-Au alloy nanowire	In-suk Choi Korea Institute of Science and Technology, Korea
14:25-14:50	A08: Controlling nickel silicide nanostructure in large scale integration	Futase Takuya SanDisk Limited, Japan
14:50-15:15	A09: Energy-Transfer Metal-Organic Nanosensors	Xuanjun Zhang University of Macau, Macau
15:15-15:40	A10: Design of large transition temperature range and low field entropy change using isostructural alloying in MnNiSi system	Hongguo Zhang Beijing University of Technology, China
15:40-16:05	A11: Laser Alloyed Metallic Coatings For High Temperature Structures	Monnamme Tlotleng Council for Scientific and Industrial Research, South Africa
16:05-16:50	Poster Session & Session Break	
17:30	Dinner Social	

Poster Session Wednesday, November 8 16:05-16:50PM Chair: In-suk Choi		
P01	Color tuning of new cyanovinyl substituted phenothiazine based sensitizers for dye-sensitized solar cells	Yung-Chung Chen National Kaohsiung University of Applied Sciences, Taiwan
P02	Graphene-CNT Hybrid Nano Materials for Fast chargeable Anode as Energy storage device	Jun Ho Song Korea Electronics Technology Institute, Korea
P03	Fabrication of microbial battery with carbon nanomaterials for high efficient organic field effect transistor	Eunju Lim Dankook University, Korea
P04	XAS-XES studies of Fe environment in cathode materials for Na-ion and Li-ion batteries	Dominika Baster AGH University of Science and Technology, Poland
P05	Simple and facile synthesis of 3D composites of B-doped graphene quantum dots decorated/graphene for trifunctional electrocatalyst	Won Mook Choi University of Ulsan, Korea
P06	3D tungsten-doped MoS ₂ nanostructure: A low-cost, facile prepared catalyst for hydrogen evolution reaction	Zhaoyang Li Tianjin University, China

Thursday, November 9		
One Day Academic Exchange & Excursion		