

August 13-15 2018		TENTATIVE SCIENTIFIC PROGRAM	
<b>Day 1</b>		13-Aug-18	
<b>Breakout Room 1</b>			
13-Aug-18		13-Aug-18	
09:15-09:45	Registrations		
09:45-10:00	Opening Ceremony		
<b>Keynote Forum</b>			
09:45-10:00	Introduction		
<b>Keynote</b>			
10:00-10:30	Sheng-Lung Huang, National Taiwan University, Taiwan		
10:30-11:00	Yu-Tai Tao, Institute of Chemistry, Academia Sinica, Taiwan		
Coffee break: 11:00-11:20			
11:20-11:50	Wazirzada Aslam Farooq, King Saud University, Saudi Arabia		
11:50-12:20	G.K. Elyashevich, Russian Academy of Sciences, Russia		
Session Introduction			
<b>Biomaterials and Tissue Engineering</b> <b>Graphene and Energy Materials</b> <b>Nano sciences and nanotechnologies</b> <b>Surface Science and Engineering, Thin films, Corrosion and degradation of materials</b>			
<b>Session Chair</b>		Lev Rapoport, Holon Institute of Technology, Israel	
12:20-12:45	<b>Title: Microstructure, chemical interaction and nanohardness of thin surface layers during friction of four fcc metals in lubricated conditions</b> Lev Rapoport, Holon Institute of Technology, Israel		
12:45-01:10	<b>Title: Modeling of Phase Separation in Alloy Nanoparticles: Size-Dependent Diagrams and Finite-Size Scaling</b> Leonid Rubinovich, Ben-Gurion University of the Negev, Israel		
Lunch: 13:10-14:00			
14:00-14:25	<b>Title: Fabrication of TiO<sub>2</sub>-Reduced Graphene Oxide Nanorod Composition Spreads Using Combinatorial Hydrothermal Synthesis and Their Photocatalytic and Photoelectrochemical Applications</b> Kao-Shuo Chang, National Cheng Kung University, Taiwan		
14:25-14:50	<b>Title: Two-Dimensional Transition Metal Carbides as Efficient and Stable Non-Precious Metal Catalyst for Hydrogen Evolution Reaction</b> Chunyong He, Dongguan Neutron Science Center, China		
15:15-15:40	<b>Title: Defects on hBN/black phosphorene heterostructures: A theoretical study</b> Eduardo Cisternas, Universidad de La Frontera, Chile		
15:40-16:05	<b>Title: The mechanism and controlling of thermal coarsening of nanoporous gold</b> Satoko Kuwano-Nakatani, Tohoku Gakuin University, Japan		
Coffee break: 16:05-16:25			
16:25-16:50	<b>Title: Multiphoton Photodegradation of cyanine dyes</b> Masanori Fuyuki, Kio University, Japan		
16:50-17:15	<b>Title: Microstructure evolution and cycle oxidation behaviors of hot-dipped Al-Si coating on TiBw/Ti6Al4V composites with network microstructure</b> Xinting Li, Harbin Institute of Technology, China		
<b>Day-2</b>		14-Aug-18	
<b>Keynote</b>			
10:00-10:30	Kent Kammer Hansen, Technical University of Denmark, Denmark		
10:30-11:00	Duck-Kyun Choi, Hanyang University, South Korea		
Coffee break: 11:00-11:20			
11:20-11:50	Susil K. Putatunda, Wayne State University, United States		
<b>Materials Science and Engineering</b>			

<b>Session Chair</b>	<b>Rong Liu, Carleton University, Canada</b>
11:50-12:15	<b>Title: Corrosion performance of Stellite 6 alloy and 17-4PH stainless steel in amine solutions</b>
	<b>Rong Liu, Carleton University, Canada</b>
12:15-12:40	<b>Title: Thermal and mechanical properties of POSS-Cyanate ester/epoxy nanocomposites Thermal and mechanical properties of POSS-Cyanate ester/epoxy nanocomposites</b>
	<b>Sarojadevi, Anna University, India</b>
12:40-13:05	<b>Title: Poly (vinyl alcohol) Protecting Layer in Lithium Based Batteries</b>
	<b>Youngsuk Jung, Samsung Advanced Institute of Technology, South Korea</b>
<b>Lunch: 13:05-13:55</b>	
13:55-14:20	<b>Title: Preparation and application of novel materials based on cross-linking modification of natural polysaccharide</b>
	<b>Baofeng Lin, Guangxi University, China</b>
14:20-14:45	<b>Title: Hybrid silica membranes for selective separation of small gasses under hydrothermal conditions</b>
	<b>Mieke Luiten-Olieman, University of Twente, Netherlands</b>
14:45-15:10	<b>Title: Fatigue Resistant Cu/Gr Nanolayered Composites for Highly Reliable Flexible Interconnect</b>
	<b>Byungil Hwang, Chung-Ang University, South Korea</b>
15:10-15:35	<b>Title: Thermal characterization of electrically aged and heat treated silicone</b>
	<b>Nacéra ROUHA, Université de Bejaia, Algeria</b>
15:35-16:00	<b>Title: Template method used for position control of individual silica-coated quantum dot and formation of quantum-dot perfect superlattice</b>
	<b>Kohki Mukai, Yokohama National University, Japan</b>
<b>Coffee break: 16:00-16:20</b>	
16:20-16:45	<b>Title: Microstructural evolution of vibration-assisted weld metal after Fatigue in stainless steel</b>
	<b>Shing-Hoa Wang, National Taiwan Ocean University, Taiwan</b>
16:45-17:10	<b>Title: Comparison of theoretical and experimental optoelectronic properties of single walled carbon nanotube nanomaterial</b>
	<b>BAYRAM GÜNDÜZ, Alparslan University, Turkey</b>
<b>Day-3</b>	<b>15-Aug-18</b>
<b>Nanomaterials and Nanocomposites</b> <b>Mining and Metallurgy</b> <b>Materials Chemistry and Sustainable Chemistry</b> <b>Process Modeling, Simulation, Optimization and Control</b> <b>Polymers and Biopolymers</b> <b>Introduction</b>	
<b>Session Chair</b>	<b>Kazuaki Sanada, Toyama Prefectural University, Japan</b>
10:00-10:25	<b>Title: Prediction of mechanical properties of carbon nanocoil/epoxy composites using RVE approach</b>
	<b>Kazuaki Sanada, Toyama Prefectural University, Japan</b>
10:25-10:50	<b>Title: Effect of calcium ion concentration on resistance to fracturing in rock in water</b>
	<b>Yoshitaka NARA, Kyoto University, Japan</b>
<b>Coffee break: 10:50-11:10</b>	
11:10-11:35	<b>Title: Smart architectures of nanomaterials as heterogeneous catalytic system towards production of value-added chemicals and solar-fuel</b>
	<b>Debraj Chandra, World Research Hub Initiative (WRHI), Japan</b>
11:35-12:00	<b>Title:</b>
	<b>Seongmin Lee, Hanwha-total Petrochemical Company, South Korea</b>
<b>Posters: 12:00-13:15</b>	
<b>Title: Characterization of the Fluorescent Nanodiamond for Biological Applications</b>	
<b>Natalya Froumin, Ben-Gurion University of the Negev, Israel</b>	
<b>Title: Mechanical Properties of Sediment Mortar from Lake BIWA</b>	
<b>Yuma Kawasaki, Ritsumeikan University, Japan</b>	
<b>Title: A Novel structure of microneedle device and its fabrication technology by using biocompatible polyvinyl alcohol (PVA) and gelatin</b>	
<b>Hirofumi Miki, Wakayama University, Japan</b>	
<b>Title: Fabrication of highly electrical synthetic leather with strong fatigue resistance based on polyurethane/poly(3,4-ethylene dioxythiophene)/poly(styrene sulfonate)</b>	
<b>Eun Joo Shin, Dong-A University, South Korea</b>	
<b>Title: Acoustic Characteristics of Enclosure using Cementitious Materials</b>	

<b>Masahiro TAKEUCHI</b> , Ritsumeikan University, Japan	
<b>Title: Study on Damage location analysis of Laminated Rubber Bearing using AE method under Cyclic Compression Loading</b>	
<b>Akihiro Tanaka</b> , Ritsumeikan University, Japan	
<b>Title: Study on Effective Utilization of Porous Concrete mixed with Sediment from Lake Biwa</b>	
<b>Ryoya SHIMOHARA</b> , Ritsumeikan University, Japan	
<b>Title 1: Anisotropic Mechanical Behavior of Additive Manufactured AISI 316L Steel</b>	
<b>Title 2: Relationship between texture development and deformation twinning activity in Ti-15Mo alloy</b>	
<b>Song KH</b> , Chosun University, South Korea	
<b>Title: MoS<sub>2</sub>/Polyelectrolytes Nanohybrid Membranes with Enhanced Permselectivity</b>	
<b>Hongxia Guo</b> , Beijing University of Technology, China	
<b>Title: Substituent effects on the dyeing and fastness properties of 4-aminoazobenzene dye in Polyester/Polyurethane blends dyeing</b>	
<b>Eunkyo Lee</b> , Konkuk University, South Korea	
<b>Title: Synthesis and characterization of eco-friendly colored polyurethanes incorporating castor oil-based polyols and azo dye structure</b>	
<b>Hyunsang Cho</b> , Konkuk University, South Korea	
<b>Title: Synthesis of temporarily solubilized azo disperse dyes containing <math>\beta</math>-sulphatoethylsulphonyl group and their dyeing properties on PET/PU blend</b>	
<b>Yewon Kim</b> , Konkuk University, South Korea	
<b>Title:</b>	
<b>Sangeui Lee</b> , Pusan National University, South Korea	
<b>Title: Fabrication of reactive poly(phenyl-substituted siloxanes/silsesquioxanes)with Si-H and alkoxy functional groups via the Piers-Rubinsztajn reaction</b>	
<b>Minghao. Yi</b> , Zhongkai University of Agriculture and Engineering, China	
<b>Lunch: 13:15-14:05</b>	
<b>Session Chair</b>	<b>Jitai Niu, Henan Polytechnic University, China</b>
<b>14:05-14:30</b>	<b>Title: Brazing between Kovar and high volume fraction SiCp/Al composites!</b>
	<b>Jitai Niu</b> , Henan Polytechnic University, China
<b>14:30-14:55</b>	<b>Title:Etching properties of piezoelectric <math>\square</math>-phase poly (vinylidene fluoride) film</b>
	<b>Hirofumi Miki</b> , Wakayama University, Japan
<b>14:55-15:20</b>	<b>Title:Anisotropic crystal growth, optical absorption, and ground state energy level of PbS quantum dots adsorbed on the different surface orientations of rutile-TiO<sub>2</sub></b>
	<b>Taro Toyoda</b> , The University of Electro-Communications, Japan
<b>15:20-15:45</b>	<b>Title: Synergistic corrosion inhibition of aluminum by new polymer in acidic media</b>
	<b>Rasha Abdel Baseer Taha Muhammed</b> , university of Birmingham, UK
<b>15:45-15:10</b>	<b>Title: Multiple anisotropic elliptical inclusions of arbitrary orientation in an infinite isotropic matrix</b>
	<b>Jungki Lee</b> , Hongik University, South Korea
<b>15:10-15:35</b>	<b>Title: Mechanism and Simulation Experiment Research on Twin-roll Thin-strip VibrationCasting</b>
	<b>Sun Minghan</b> , Yanshan University, China