

ISNNM-2018

The 15th International Symposium on Novel and Nano Materials



- Date : July 1 ~ July 6, 2018
- Venue : Tivoli Oriente Lisboa Hotel, Lisbon, Portugal
- Organized by
 - The Korean Powder Metallurgy Institute
 - Institute of Materials Research, Slovak Academy of Sciences
 - Institute of Metallurgy and Materials Science, Polish Academy of Sciences
 - Cracow University of Technology

15:40~16:00	[NNP-05]	Design of Highly Porous SnO₂-CuO Nanotubes for the Enhancing Performance of H₂S Gas Sensor Mr. Kee-Ryung Park (Hanyang University)
16:00~16:20	[NNP-06]	Crafting of Hybrid Nanocomposites via Chemical Coupling of Conjugated Polymers with Directly Synthesized Functionalities-terminated Nanocrystals Prof. Jae Han Jung (Hongik University)
16:20~16:40	[NNP-07]	Electromagnetic Wave Absorption Properties of Fe/MgO Composites via a Simple Ultrasonic Pyrolysis Method Ms. Hyo-Ryoung Lim (Hanyang University)
16:40~17:00	[NNP-08]	Graphene-polymer Nanocomposites as the Barrier of Copper Corrosion Mr. Han Kim (Hanyang University)

2018. 07. 03 (Tue)

Room C

13:30~15:10	Energy and Functional Materials Chairman : Dr. Chan-Gi Lee (Institute for Advanced Engineering)	
13:30~13:50	[EFM-O1]	Fibrous Electrocatalytic Materials Based on Carbon/Copper/Copper phosphides for Effective Hydrogen Evolution Dr. Magdalena Supicova Streckova (Slovak Academy of Sciences)
13:50~14:10	[EFM-O2]	An Alternative Route for Continuous Synthesis of Semiconductor Nanocrystals Dr. Young-Kuk Kim (Korea Institute of Materials Science)
14:10~14:30	[EFM-O3]	Effect of Sintering Methods and Heat-Treatment of Aluminum Doped LLZO Powder Fabricated by Modified Sol-gel Process Mr. Sung Gue Heo (Korea Institute of Industrial Technology / Korea University)
14:30~14:50	[EFM-O4]	Fabrication of Size-Controlled Hexagonal Boron Nitride Powder by Hetero-Phase Reaction for Thermal Applications Mr. Yoseb Song (Hanyang University)
14:50~15:10	[EFM-O5]	Effect of Edge-Oxidized-Graphene on the Improved Power Factors of (Bi,Sb)₂Te₃ Thermoelectric Film Mr. Youngmin Cho (Korea Institute of Materials Science)
15:10~15:20	Break	
15:20~17:20	Characterization and Modeling Chairman : Prof. Ho-Seok Nam (Kookmin University)	
15:20~15:40	[CAM-O1]	Industrial Application of Severe Plastic Deformation for Bulk Nanocrystalline Materials Prof. Hyoung Seop Kim (Pohang University of Science and Technology)
15:40~16:00	[CAM-O2]	Film Morphology During the Oscillatory Adsorption of Organosilane Self-Assembled Films on Aluminium Oxide using Auger Electron Spectromicroscopy Ms. Ruby Alice SIMS (Flinders University)
16:00~16:20	[CAM-O3]	The Characterization Possibilities of Particle Dispersion In Multiphase Materials Prof. Zoltan Gacsi (University of Miskolc)
16:20~16:40	[CAM-O4]	Effects of Atomic Size and Heat of Mixing on Atomic Structures and Properties of Binary Alloys: A Molecular Dynamics Simulation Study Prof. Ho-Seok Nam (Kookmin University)
16:40~17:00	[CAM-O5]	Effect of Fractured Microsphere Contents on the Elastic Modulus and Compressive Strength of the Iron/Glass Microsphere Syntactic Foam Mr. Yi Je Cho (Pusan National University)