

2014 Best Poster Awards Winner

Category	Presenter	Affiliation	Presentation Title
Grand Prize	Jihyun Hong	Seoul National Univ.	Biological Redox Cofactor Nanohybrids for Sustainable High-Power Lithium Rechargeable Batteries
Gold Medal	Byeol Kim	Sookmyung Women's Univ.	Fabrication of Ordered Porous Anodic Alumina by Guided Large-scale Defects
Gold Medal	Youngho Jung	KAIST	Efficient waveguide coupling interface for metal-patch nanolasers
Silver Medal	Woanseong Park	Seoul National Univ.	Synthesis of large-scale, high-quality single-layer MoS ₂ via a direct patterning method for atomic film electronics
Silver Medal	Jihun Park	KAIST	Bioinspired, Peptide-Mediated Silicification: Cytocompatible Fabrication of Silica Shell on Cell Surface
Silver Medal	Amir Abidov	KNIT	Advanced TiO ₂ nanotubular flow through reactor for CO ₂ photoconversion.
Best Poster	Yong Ju Park	Yonsei Univ.	Graphene based conformal devices
Best Poster	Sang Hoon Chae	Sungkyunkwan Univ.	Highly stretchable and transparent graphene-carbon nanotube transistors using transferred wrinkled Al ₂ O ₃
Best Poster	Jinjoo Park	POSTECH	A Light Incident Angle Stimulated Memristor with ZnO Nanorods
Best Poster	Seyed Hossein Hosseini Shokouh	Yonsei Univ.	Non-classical Logic Inverter Coupling a ZnO Nanowire-based Schottky Barrier Transistor and Adjacent Schottky Diode

Best Poster	Jong-Hoon Kim	Hongik Univ.	White light-emitting diode integrated with bilayered hybrid films comprising hydrophobic and hydrophilic non-Cd quantum dots
Best Poster	Mi-Yun Jeong	Gyeongsang National Univ.	Optical properties of laser lines and Fluorescent spectrum in Cholesteric Liquid Crystal laser
Best Poster	Chihun In	Yonsei Univ.	Ultrafast Second-Order Nonlinear Optics in a Graphene-Metamaterial Device: Terahertz Difference-Frequency Generation
Best Poster	Tran Minh Hai	Daegu Univ.	The Role of Particle Size of Graphite Precursor in Synthesis of Graphene Through GO-Route
Best Poster	Chulkyun Seok	Seoul National Univ.	Epitaxial growth and coalescence of InSb nanocrystals on GaAs substrate using MOCVD
Best Poster	Timur Sh. Atabaev	Pusan National Univ.	Enhanced optical properties of SrAl ₂ O ₄ long afterglow ceramic phosphors prepared by combustion synthesis method
Best Poster	Seo Young Yoon	Sookmyung Women's Univ.	Anisotropic Growth and Kinetics Control of Liquid Phase Deposition of SiO ₂ on Hexagonally Close-packed Silica Beads
Best Poster	Yi-Seul Park	Sookmyung Women's Univ.	Gold Nanoparticle-Assisted Epitaxial Growth of Silicon Nanowires via Vapor-Liquid-Solid Mechanism
Best Poster	Tea-Yeon Hwang	Hanyang Univ.	Effect of Various Salts on Salt-assisted Ultrasonic Spray Pyrolysis (SA-USP)-Calcination Method for Synthesis of Strontium Ferrite
Best Poster	Jaesung Park	Sogang Univ.	Thickness dependent Raman and PL spectra for MoS ₂ thin films
Best Poster	Arvind H. Jadhav	Myongji Univ.	Preparation and characterization of electro-spun fabricated Ag-TiO ₂ composite nanofibers and its enhanced photo-catalytic activity for the degradation of Congo red
Best Poster	Dong-Jea Seo	Yonsei Univ.	Growth control of silicon nanowire under high flow rate of gas

Best Poster	Jong Min Lee	KIST	Scalability of magnetic field controlled reconfigurable logic gate with integrated nanomagnets
Best Poster	Sunghoe Choi	Hanyang Univ.	Polymer brush tactile sensors with vertical, shear and torsion force sensitivities
Best Poster	Eun-Hye Kwak	Kangwon National Univ.	Controlled Growth of Single-Walled Carbon Nanotubes using Synthetic Zeolite Templates
Best Poster	Nguyen Van Luan	Sungkyunkwan Univ.	Grain boundary-free large-area monocrystalline graphene growth
Best Poster	Hyunsuk Lee	Amore Pacific	Enhanced Surface Properties of Inorganic Nanoparticles Coated by Biocompatible
Best Poster	Sang Kyung Lee	GIST	High quality graphene transfer in vacuum
Best Poster	Ahrong Jeong	Kyungnam Univ.	Superhydrophobicity from Nano/Microstructure with Carbon Nanotubes on Silica spheres
Best Poster	Sanghyeok Kim	KAIST	The effect of NaCl solution on mechanical characteristics of solution processed Ag nanoparticle thin film on flexible polymer substrates
Best Poster	Kyungmook Kwon	KAIST	In-situ metal-oxides synthesis with pulsed laser heating
Best Poster	Seong Hee Kang	Konyang Univ.	Therapeutic enhancement of brain radiotherapy by using conjugation of paclitaxel to superparamagnetic iron oxide nanoparticles : Targeting radio-chemotherapy
Best Poster	Ji Heun Jeong	Konyang Univ.	Protective effects of indole-3-carbinol loaded Poly (lactic-co-glycolic acid) Nanoparticles against Glutamate-induced Neurotoxicity
Best Poster	Chang-Hee Kim	Seoul National Univ.	A Study of Gas Sensing Property of Gas FET Having Horizontal Floating Gate

Best Poster	AhReum Jang	KAIST	High Electrochemical Activity of Doped Bismuth Oxide Composite Cathodes for SOFC: Utilization of Well-defined Electrode Model Systems
Best Poster	Jongbeom Na	Yonsei Univ.	Worm-like TiO ₂ Nanoparticles for Dye-Sensitized Solar Cells: Enhanced Electron Transfer and Light Harvesting
Best Poster	Hui Song	GIST	Fabrication of Glass-free Photoelectrodes of Dye-sensitized Solar Cells (DSSCs) by a Transfer Method Using ZnO Nanorods Sacrificial Layer
Best Poster	Ha-Yeong Kim	Ewha Woman's Univ.	Synthesis of nanostructured heterophase Bi ₂ Te ₃ /Bi ₂ O ₅ Te and their thermoelectric properties
Best Poster	Taqi Mehran	KIER UST	Effect of nano particles addition on stability of Ni-3YSZ anode support for Solid Oxide Fuel Cells (SOFC)
Best Poster	Jae-Ryong Lim	Chungnam National Univ.	Piezoelectric properties of Lead-free 0.5Ba(Ti _{0.8} Zr _{0.2})O ₃ -0.5(Ba _{0.7} Ca _{0.3})TiO ₃ thin film by Pulsed Laser Deposition for Energy Harvesting Applications
Best Poster	Jin Sik Kim	KCL	In vivo genotoxicity evaluation of lung cells from Fischer 344 rats following 28 days of inhalation exposure to MWCNTs, and 28 and 90 days post-exposure
Best Poster	Kyungmin Lee	KRIBB UST	The distinct effects of size-dependent SiNPs on endothelial cell autophagic death: interplay of endothelial nitric oxide between autophagy and apoptosis
Best Poster	Cheong Kang	Sookmyung Women's Univ.	Chemical Vapor Deposition Growth of Graphene Domains on Copper with Liquid Precursor
Best Poster	Minjung Kim	Sogan Univ.	Mechanism of photocurrent at a junction between ABA and ABC stacking domains in tri-layer graphene
Best Poster	Hee-Dae Lim	Seoul National Univ.	A New Catalyst-embedded Hierarchical Air Electrode for High-performance Li-O ₂ Batteries
Best Poster	Si-Hwa Lee	KAIST	Graphene-Nanotube-Iron Nanostructure for EMI Shielding