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# ICAMD2017

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## Organized by

- Applied Physics Division, The Korean Physical Society
- Center for Artificial Low Dimensional Electronic Systems, Institute for Basic Science
- Korean Graphene Society
- Quantum Metamaterials Research Center
- Van der Waals Materials Research Center
- Center for Topological Matter
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- Center for Advanced X-ray Science

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December 07 (Thu), 2017

Po-Na17-002

Investigation of attenuation properties of cryogenic metal powder filters depending on the preparation methods

Sung Hoon Lee\*, Soon-Gul Lee\*\*

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Po-Na17-003

Characterization of free-standing nano-membranes using ellipsometry

Sungmo Park, Changho Lee, Min-Su Kim, Jin-Goo Park, Jin-ho Ahn, Il-sin An

(Hanyang University)

Po-Na17-004

Sol-gel derived ZnO thin films for white solid-state lighting

Mirgender Kumar, Si-Hyun Park

(Yeungnam University)

Po-Na17-005

A Study on Dielectric Functions of Bi<sub>1.85</sub>Gd<sub>0.15</sub>Te<sub>3</sub> by Spectroscopic Ellipsometry from 28 to 300K

Hoang Tung Nguyen\*, Tae Jung Kim\*, Han Gyeol Park\*, Van Long Le\*, Jinsu Kim\*\*

Myung-Hwa Jung\*\*, Young Dong Kim\*

(\*Kyung Hee University, \*\*Sogang University)

Po-Na17-006

Preparations and Luminescent Properties of Bragg Stack Porous Silicon Nanowires

Daeyoon Jung, Honglae Sohn

(Chosun University)

Po-Na17-007

Effect of E-glass fiber on the ethanol sensing characteristics of LaFeO<sub>3</sub> nanoparticle-based thick film sensors

Ensi Cao\*\*, Yuqing Yang\*\*, Yongjia Zhang\*\*, Nguyen Hoa Hong\*

(\*Seoul National University, \*\*Taiyuan University of Technology)

Po-Na17-008

Nanoscale optical characteristics of the hybrids of MoS<sub>2</sub> and CsPbBr<sub>3</sub> perovskite quantum dots and application to optoelectronic devices

Taeho Noh\*, Jeongyong Kim\*\*, Xuecheng Teng\*\*\*, Kwangsop Lee\*\*\*, Jinsoo Joo\*\*

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Po-Na17-009

Ellipsometric study on dielectric function of GaAsSb alloy films

Tae Jung Kim\*, Han Gyeol Park\*, Van Long Le\*, Hoang Tung Nguyen\*, Dohyung Kim\*, Jin Dong Song\*\*, David E. Aspnes\*\*\*, Young Dong Kim\*

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Po-Na17-010

Gate-tunable silicon oxide memory based on vertically integrated graphene barristor

Jaewon Choi\*, Nam-Dong Kim\*\*, Gunok Wang\*

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Po-Na17-011

Manufacturing and characterization of poly(lactic acid)/halloysite nanotube composites with improved thermal properties

Shi-Ram Lee\*, Si-Hoon Jang\*, Hyoun Woo Kim\*\*, No-Hyung Park\*

(\*Korea Institute of Industrial Technology, \*\*Hanyang University)

Po-Na17-012

Photoresponsive characteristics and field-effect transistors of the hybrids of organic semiconducting rubrene and perovskite CsPbBr<sub>3</sub> quantum dots

Jungwon Youn\*, Jeongyong Kim\*\*, Xuecheng Teng\*\*\*, Kwangsop Lee\*\*\*, Jinsoo Joo\*\*

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Po-Na17-013

Thermopotential-Programmed Multi-Level Nonvolatile Memory as Triggered by Mechanical Stimuli

Daehun Son

(Gyeong Institute of Nanoenergy and Nanosystems, CAS)

Po-Na17-014

Gate-bias Conductance Peak in InAs Nanowire Contacted with Superconducting Thin Electrodes

Nam-Hee KIM\*, Yun-Sok SHIN\*\*, Hong-Seok KIM\*, Jin-Dong Song\*\*\*, Yong-Joo Joo\*\*

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