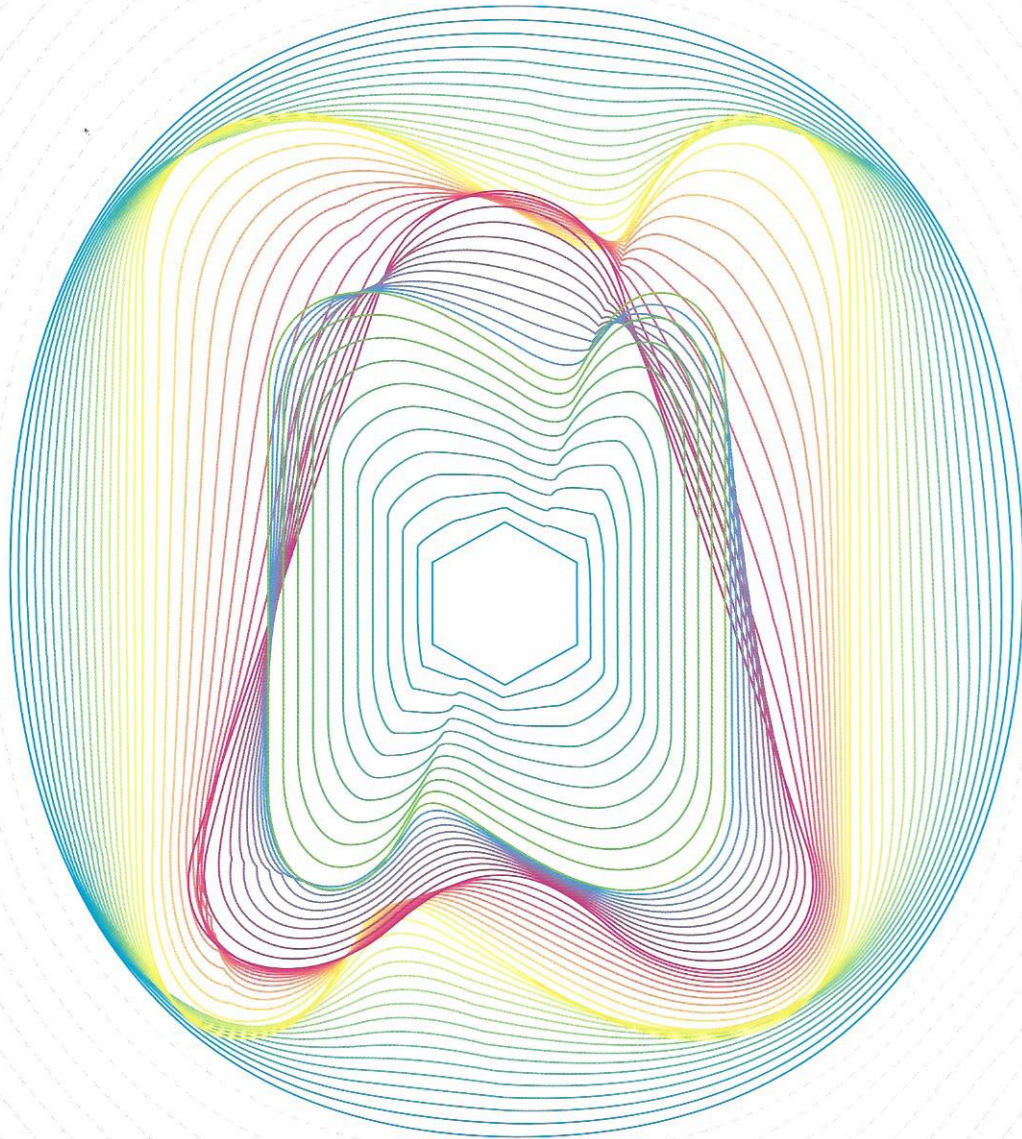


The 14th International Nanotech Symposium & Nano-Convergence Expo in Korea

NANO KOREA 2016

JULY 13~15, 2016 KINTEX, KOREA



Host Ministry of Science, ICT & Future Planning
Ministry of Trade, Industry & Energy

Organizer Korea Nano Technology Research Society
Nano Technology Research Association

Sponsor Ministry of Culture, Sports and Tourism/ Korea
Tourism Organization/ Gyeonggi MICE Bureau
AFOSR/AORAD/ LG Electronics/ LG Chem/
Samsung Electronics

Supporter Advanced Technology Center Association
Korea Evaluation Institute of Industrial Technology
Korea Foundation for the Advancement of Science and Creativity
Korea Industrial Technology Association
Korea Institute for Advancement of Technology
Korea Institute of Science and Technology Evaluation and Planning
Korea Institute of Science and Technology Information
Korea Trade-Investment Promotion Agency
Nano-Convergence Foundation
National Research Foundation of Korea

P1601_0889 Efficient Dual Exciplex Emitting Layer for White Organic Light-Emitting Diodes

Hyun Jung Baek(Hongik University), Song Eun Lee(Hongik University), Ho Won Lee(Hongik University), Tae Joon Yoon(Hongik University), Su Jin Jeong(Sungkyunkwan University), Seung Soo Yoon(Sungkyunkwan University), Youn Kwan Kim(Hongik University)

P1601_0894 Complex field measurement on metasurfaces via digital off-axis holography

Yohan Lee(Seoul National University), Joonsoo Kim(Seoul National University), Jaebum Cho(Seoul National University), ByoungHo Lee(Seoul National University)

P1601_0896 Polarization multiplexed hologram via broadband metasurfaces

Gun-Yeal Lee(Seoul National University), Joonsoo Kim(Seoul National University), ByoungHo Lee(Seoul National University)

P1601_0903 Sensitive Detection of Optical Activity using Plasmonic Nanoparticles

TaeHyung Kim(Korea University), SeokJae Yoo(Korea University), Q-Han Park(Korea University)

P1601_0929 Photoluminescence signal transfer of Organic Hybrid of Rubrene Microrods and Gold Nanoparticles: Applications Ultra-sensitive Remote Bio-sensing

Hyung Suk Hwang(Korea University), Seong Gi Jo(Korea University), Jubok Lee(Sungkyunkwan University), Jeongyong Kim(Sungkyunkwan University), JJoo(Korea University)

P1601_0930 Signal Transfer Characteristics of Raman and Surface Enhanced Raman Scattering (SERS) of Organic Crystalline Microrod

Seong Gi Jo(Korea University), Jinsang Kim(University of Michigan), Jeongyong Kim(Center for Integrated Nanostructure Physics (CINAP), Institute for Basic Science (IBS); Sungkyunkwan University), Jinsoo Joo(Korea University)

P1601_0941 Resistive switching characteristics in MnO nanoparticle assembly and Ag₂Se thin film devices

Chi Jung Kang(Myongji University), Quanli Hu(Myongji University), Tae Sung Lee(Myongji University), Nam Joo Lee(Myongji University), Yawar Abbas(Myongji University), Haider Abbas(Myongji University), Mi Ra Park(Myongji University), Tae-Sik Yoon(Department of Materials Science and Engineering)

P1601_0976 Silver nanowire flexible, transparent, conductive film using plasticized polymer interlayer for low temperature process

Wonhee Cho(Korea Advanced Institute of Science and Technology(KAIST)), Heetak Kim(Korea Advanced Institute of Science and Technology(KAIST))

P1601_1001 Micro Silicon lens process by using dry etching and thermal reflow for Optical interconnection

TaeWon Ha(Korea Institute of Industrial Technology (KITECH)), GiSeok Heo(Korea Institute of Industrial Technology (KITECH)), EunMi Kim(Korea Institute of Technology(KITECH)), Young-Hoon Kim(Chonnam National University), YoungBaek Kim(Korea Institute of Industrial Technology (KITECH))

P1601_1012 Fabrication of SiO₂,SiN_x Double-Layer Anti-reflection Coating by Using Spin Coating

Jaeho Choi(Chonbuk National University), In-Sung Jung(Chonbuk National University), Jong-II Kim(Chonbuk National University)

P1601_1014 Properties of an asymmetric double barrier device using resonant tunneling and charging effects for nonvolatile memory application

Seungon Song(University of Seoul), Kyoungwan Park(University of Seoul), Kyongmin Kim(University of Seoul), Kyunho Jung(University of Seoul), Junghyun Sok(University of Seoul)

P1601_1017 Efficient atomistic simulation of InAs ultra-thin body tunnel FETs based on the TB-NEGF method

Woo Jin Jeong(Korea Advanced Institute of Science and Technology (KAIST)), Mincheol Shin(Korea Advanced Institute of Science and Technology (KAIST))

P1601_1023 Magneto-switching device by impact ionization in non-magnetic semiconductor

Taeyueb Kim(Korea University), Jinki Hong(Korea University), Sungjung joo(Korea Research Institute of Standards & Science (KRISS)), Hyun Cheol Koo(Korea Institute of Science and Technology (KIST)), Jin Dong Song(Korea Institute of Science and Technology (KIST)), Joonyeon Chang(Korea Institute of Science and Technology (KIST))

P1601_1024 Origin of environmentally begin mechanoluminescence from micro-sized phosphor embedded in elastomer film.

Jeung Pyo Oh(Chonnam National University), Bin Chang(Korea Institute of Industrial Technology(KIIT)), Jeong Ju Woo(Chonnam National University), Gi-Seok Heo(Korea Institute of Industrial Technology(KIIT))

P1601_1025 Fabrication and characterization of the VCSEL-on-silicon

Myung-Joon Kwack(Electronics and Telecommunications Research Institute (ETRI)), Ki-Seok Jang(Electronics and Telecommunications Research Institute (ETRI)), Jiho Joo(Electronics and Telecommunications Research Institute (ETRI)), Hyundai Park(Electronics and Telecommunications Research Institute (ETRI)), Jin Hyuk Oh(Electronics and Telecommunications Research Institute (ETRI)), Jaegyung Park(Electronics and Telecommunications Research Institute (ETRI)), Sanggi Kim(Electronics and Telecommunications Research Institute (ETRI)), Gyungock Kim(Electronics and Telecommunications Research Institute (ETRI))