The 12th International Nanotech Symposium & Nano-Convergence Expo in Korea

NANO KOREA 2014

July 2-4, 2014 | Coex, Seoul, Korea

Call For Abstracts

"Nanotechnology, the Engine of Creative Economy"

You are cordially invited to participate in the 12th International Nanotech Symposium & Nano-Convergence Expo, NANO KOREA 2014, to be held in Coex, Seoul, Korea, July 2-4, 2014. NANO KOREA is the biggest nanotechnology festival in Korea providing a perfect opportunity to get the most up-to-date information and recent trends in the field of, or related to, the nanoscale science and technology.

Important Dates

Abstract Submission Due : March 10, 2014

Full Paper Submission Due : July 21, 2014

Plenary Speakers

Michael Graetzel (EPFL, Switzerland)
Young Hee Lee (Sungkyunkwan Univ., Korea)
Mark Welland (Cambridge Univ., UK)

※ Keynote speakers will be announced soon.

Trend in Nanotechnology

Bong Hyun Chung (KRIBB, Korea)
Kwang Ho Kim (Pusan Nat'l Univ., Korea)

Topics and Scope

- **Nano Electronics & Circuits**
  - Soft Nano Electronics: Nanomaterials, 2-dim Atomic Films, Flexible Electronics
  - Nano Electronic Devices: Electronic Devices, Memory, Transistors, Modeling and Circuits
- **Nanophotonics & Plasmonics**
  - Nanophotonics: Nano_LED, Quantum Dot, Si Photonics, Nano Laser
  - Plasmonics: Optical Interconnection, Meta Material, THz Photonics
- **Nano Materials & Processings**
  - Low-dimensional Nanomaterials
  - Quantum Dot (0D)/ Nanowire (1D)/ Nanosheet (2D)
  - Fabrication and Processing of Nanoscale Devices
  - Nanoscale Electronics and Optoelectronics
  - Quantum Devices
- **Nano Fabrication & Measurement**
  - Top-down Nanofabrication
  - Bottom-up Nanofabrication
  - Hybrid Nanofabrication by Combining Top-down and Bottom-up Approaches
  - In-situ Nanoscale Measurement
  - Multifunctional Nanoscale Measurement
- **Nanobiotechnology & Nanomedicine**
  - Nanotechnology for Biomaterials Engineering
  - Nanotechnology for Healthcare Devices
  - Synthesis and Fabrication for and Application to Nanomedicine
- **Nano Energy Conversion & Storage**
  - Nano energy storage: battery, supercapacitor, other energy storage
  - Nano solar cell and solar energy
  - Nanotechnology in fuel cell
  - Other nano energy conversion
- **Nano Carbon Technology**
  - Large-scale Synthesis of Graphene and Related Carbon Materials
  - Properties and Characterization of Nano Carbon Materials
  - Applications and Industrialization of Nano Carbon Materials
- **Nano Safety & ELSI**
  - Establishement of Reliable Nanosafety Guidelines
  - ELSI Aspects in Nanotechnology
  - Worldwide Trends of Nanosafety Research
- **Nano Convergence Technology Industrialization**
  - Status and Prospect of Nano Convergence Technology
  - Key Issues for Industrialization of Nano Convergence Technology

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Committee

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Technical Session Chairs & Invited Speakers

TS01. Nano Electronics & Circuits
Chair : Takhee Lee 이탁희 (Seoul Nat'l Univ.), Moongyu Jang 장문규 (ETRI)
Invited Speaker : Seiichi Aritome (SK hynix INC.), Hongjin Fan (NTU), Seongil Im (Yonsei Univ.), Andras Kis (EPFL)
Keon Jae Lee (KAIST), Takao Someya (Univ. of Tokyo)

TS02. Nanophotonics & Plasmonics
Chair: Kyung Hyun Park 박경현 (ETRI), Kyong Hon Kim 김경헌 (Inha Univ.), Jaewan Kim 김재완 (KIAS)
Invited Speaker : Choon-Gi Choi (ETRI), Woo-Young Choi (Yonsei Univ.), Byoungho Lee (Seoul Nat'l Univ.)
Kidong Lee (Obducat, Sweden), Graham T. Reed (Univ. of Southampton), Yan Zhang (Capital Normal Univ.)

TS03. Nano Materials & Processings
Chair : Myung Mo Sung 성명모 (Hanyang Univ.), Jiyoung Kim 김지영 (Univ. of Texas, Dallas)
Invited Speaker : Ritesh Agarwal (Univ. of Pennsylvania), Erik Bakkers (Eindhoven Univ. of Technology)
Hyoung Joon Choi (Yonsei Univ.), Sohee Jeong (KIMM), Joon Hak Oh (UNIST), Dong Yu (Univ. of California, Davis)

TS04. Nano Fabrication & Measurement
Chair : Jun-ho Jeong 정준호 (KIMM), In kyu Park 박인규 (KAIST)
Invited Speaker : Jae Won Hahn (Yonsei Univ.), Aman Haque (PSU), Gun Young Jung (GIST)
Sunghoon Kwon (Seoul Nat'l Univ.), Zhiyoung Li (HP Lab), Paul Weiss (UCLA)

TS05. Nanobiotechnology & Nanomedicine
Chair : Insung S. Choi 최인성 (KAIST), Hee Cheul Choi 최희철 (POSTECH)
Invited Speaker : Nathaniel S. Hwang (Seoul Nat'l Univ.), Noo Li Jeon (Seoul Nat'l Univ.), Joao F. Mano (Univ. of Minho)
Daniel Ruiz-Molina (ICN2), Tae Seok Seo (KAIST), Ruikang Tang (Zhejiang Univ.), Weian Zhao (Univ. of California, Irvine)

TS06. Nano Energy Conversion & Storage
Chair: Rak-Hyun Song 송락현 (KIER), Ho-Sung Kim 김호성 (KITECH), Kyungkon Kim 김경곤 (Ewha Womans Univ.)
Invited Speaker : Xiaoyuan Chen (CAS), Raymond J. Gorte (Univ. of Pennsylvania), Donghwan Kim (Korea Univ.)
Guntae Kim (UNIST), Han Su Kim (Hanyang Univ.), Ying Shirley Meng (Univ. of California, San Diego)

TS07. Nano Carbon Technology
Chair : Sung-Yool Choi 최성율 (KAIST), Min Park 박민 (KIST)
Invited Speaker : Christopher Bielawski (UNIST), J. Patrick Frantz (Cambridge Graphene Platform)
Seon Jeong Kim (Hanyang Univ.), Yu-Ming Lin (IBM), Zhongfan LIU (Peking Univ.), Seongjun Park (SAIT)

TS08. Nano Safety & ELSI
Chair : Nam Woong Song 송남웅 (KRISS), Kyung Seuk Song 송경석 (KCL), Kwang Ho Lee 이광호 (STEPI)
Invited Speaker : Chunying Chen (NCNST), Harald Krug (EMPA), Thomas A.J. Kuhlbusch (IUTA), Byoung-Cheun Lee (NIER)

TS09. Nano Convergence Technology Industrialization
Chair : Yong-Sul Song 송용설 (Amogreentech Co., Ltd.), Won Jong Kwon 권원종 (LG Chem, Ltd.)
Invited Speaker : Jong-Oh Park (Chonnam Nat'l Univ.)

International Satellite Sessions
Korea-China Nano Forum Organized by KANC, NNFC, KIST, KRICT
Korea-Japan Nano Forum Organized by KIMS, KIMM ONIC, NNFC
Korea-Singapore Nano Forum Organized by NTU, Ajou Univ., Korea Univ.
Korea-Saudi Arabia Joint Workshop (Tentative)
Korea-India Joint Workshop (Tentative)

※ For more detailed information regarding preparation and submission of the abstract, please visit the symposium website http://sympoeng.nanokorea.or.kr/.

NANO KOREA 2014
Symposium Secretariat

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