

## SOFEX2013 Academic Exchange “Sogang-Sophia Workshop on Frontiers of Nanoscience and Nanotechnology”

During the 4<sup>th</sup> Sophia-Sogang Festival of Exchange (SOFEX2013), “Nanotechnology workshop” is going to be held. Don’t miss this precious opportunity to learn about current nanotechnology situation in Korea and Japan!

**【Program】** 13:30–17:30 Nov. 15th(Fri)

Introduction by Prof. Kazuhiro EMA (Sophia)

Plenary talk by Prof. Hyeonsik Cheong (Sogan)  
Prof. Katsumi KISHINO(Sophia)

Oral presentation by

(Sogan) Prof. Kwanwoo SHIN, Prof. Taewook KANG,  
Prof. Jung Chul LEE

(Sophia) Prof. Akihiko KIKUCHI, Prof. Ichiro NOMURA, Prof. Kazuhiko SHIMOMURA,  
Prof. Toshihiro NAKAOKA

Poster presentation 15:00-18:00

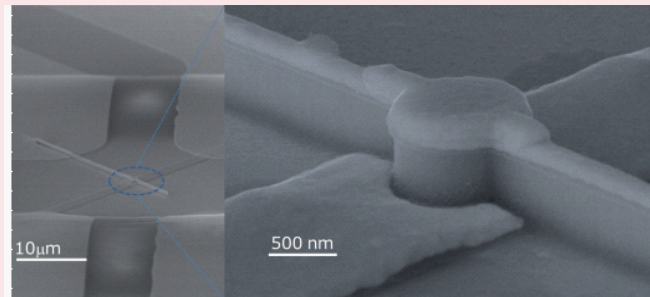
**【Language】** English

**【Reservation】** Not necessary

**Nov. 15th (Fri), 2013**

**13:30-17:30**

**@Conference Room-1702**  
**(17<sup>th</sup> Floor, Building #2)**



# SOFEX2013 学術交流イベント “Nanotechnology Workshop”

上智大学・西江大学スポーツ・文化交流会(SOFEX2013)と合わせて、学術交流イベント「Nanotechnology Workshop」を開催します。韓国と日本のナノテクノロジー研究の現在を理解する貴重な機会ですので、ぜひ参加してください。

**【プログラム】** 11月15日(金) 13:30-17:30

Introduction by Prof. Kazuhiro EMA (Sophia)

Plenary talk by Prof. Hyeonsik Cheong (Sogan)  
Prof. Katsumi KISHINO (Sophia)

Oral presentation by

(Sogan) Prof. Kwanwoo SHIN, Prof. Taewook KANG,  
Prof. Kyubong JO, Prof. Jung Chul LEE

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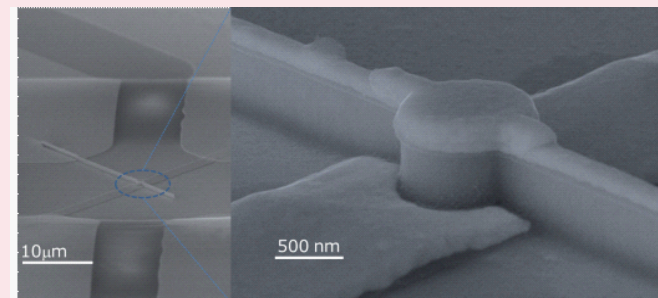
**【使用言語】** 英語

**【事前申込】** 不要

**2013年11月15日(金)**

**13:30-17:30**

**@1702国際会議場  
(2号館17階)**



## SOFEX2013 Academic Exchange

# “Sogang-Sophia Workshop on Frontiers of Nanoscience and Nanotechnology”

| Opening remarks Takashi HAYASHITA |                    |   |
|-----------------------------------|--------------------|---|
| Introductory talk                 |                    |   |
| 13:35-13:45                       | Kazuhiro EMA       | Introduction of Workshop in Nanotechnology  |
| Plenary talk                      |                    |   |
| 13:45-14:25                       | Hyeonsik CHEONG    | Raman spectroscopy for graphene research  |
| 14:25-15:05                       | Katsumi KISHINO    | Optical devices using GaN nanocolumns   |
| 15:05-15:15                       | Coffee Break       |   |
| Oral presentation                 |                    |   |
| 15:15-15:30                       | Kwanwoo SHIN       | Digital Microfluidic Paper Chips Using with Inkjet-printed Carbon Nanotubes   |
| 15:30-15:45                       | Taewook KANG       | Tiny Plasmonic Nanoantennae for Future Biomedical Breakthrough  |
| 15:45-16:00                       | Jung Chul LEE      | Pioneering hydrogel microelectromechanical systems (MEMS)   |
| 16:00-16:15                       | Coffee Break       |   |
| 16:15-16:30                       | Akihiko KIKUCHI    | Ag/ZnO based metal dielectric multilayer (MDM) transparent conductive film  |
| 16:30-16:45                       | Ichiro NOMURA      | II-VI compound semiconductors on InP substrates for optical devices   |
| 16:45-17:00                       | Kazuhiko SHIMOMURA | Broadband InAs/InP QDs arrayed waveguide LED  |
| 17:00-17:15                       | Toshihiro NAKAOKA  | Single-electron and -photon devices   |
| Poster presentation (15:00-18:00) |                    |   |
| P1                                | Sunghee CHUNG      | Confinement and Crowding Effects of Protein Crystallization in Artificial Nano-Gels   |
| P2                                | Il LEE             | Picoliter level liquid properties measurements using microfluidic beam resonators   |
| P3                                | Minjung KIM        | Photocurrent in graphene lateral junctions  |
| P4                                | Jinyong LEE        | Nanoslit confined DNA conformation  |
| P5                                | Da Hyun NAM        | Microscopic characterizations of CIGS and CZTSSe thin film solar cells  |
| P6                                | Kenji MICHIMATA    | Heterogeneous Integration of an InAs Nanowire with Energy-Efficient CMOS Delta-Sigma Modulator  |
| P7                                | Takayuki IRIE      | Nano-mist deposition (NMD) technique for fabrication of organic light emitting devices  |
| P8                                | Jyunichi ISHINO    | Effect of Combination Interlayer on Phosphorescent Inorganic-Organic Hybrid Light-Emitting Diodes with AZO/Ag/AZO Transparent Cathode |
| P9                                | Keisuke MURAKAMI   | Wide-range visible luminescence of II-VI compound Type-II superlattices grown on InP substrates                                       |
| P10                               | Toru MIYABE        | Nanogap Resistance Random Access Memory Based on Natural Aluminum Oxide   |
| P11                               | Shunsuke ISHIZAWA  | Optically pumped lasing characteristics of InGaN-based nanocolumn photonic crystals   |
| P12                               | Masayuki YAMAUCHI  | Wide energy level control of (Ga)InAs QDs using double-capping procedure by MOVPE   |
| P13                               | Shohei YOSHIKAWA   | Broadband and flat-topped spectrum of multi-stacked InAs QDs LED  |
| P14                               | Takehiro OGINO     | Au assisted growth of InAs nanowires on GaAs(111)B by MOVPE   |
| P15                               | Takehito AOKI      | Photo-generated Carrier Dynamics in Rutile TiO <sub>2</sub>   |
| P16                               | Naoki SHIMOSAKO    | Photo-generated Carrier Dynamics in InGaN/GaN Nanocolumns   |