

## The 10th International Nanotechnology/MEMS Seminar (INMS2016) (Version 2.3)

このたび、ナノテクノロジー、MEMS、ナノマテリアル、グラフェン、量子ドット、ディスプレイ等の研究で著名な下記の方々(英国2名、仏国3名、韓国4名 計9名)が中本研を来訪されます。

Prof. William I. Milne,	Cambridge University,	U.K.
Prof. Jack Silver,	Brunel University,	U.K.
Prof. Yvan Bonnassieux,	Ecole Polytechnique,	France
Prof. Francois Templier,	CEA-LETI,	France
Prof. Jin Jang/ Prof. Eric Moyen	Kyung Hee University,	Korea/ France
Prof. Changhee Lee,	Seoul National University	Korea
Prof. Kyu-Chang Park,	Kyung Hee University,	Korea
Prof. Jang-Hyuk Kwon,	Kyung Hee University,	Korea

The 10th International Nanotechnology/MEMS Seminar を下記のとおり開催いたしますので、多数御出席くださるよう何卒宜しくお願い申し上げます。

なお、このセミナーはナノビジョン工学特別講義第二の対象講義として認められます。

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## The 10th International Nanotechnology/MEMS Seminar (INMS2016)

**Date:** Dec 5th (Mon), 2016      11:15~16:40

Dec 6th (Tue), 2016      10:00~12:05

**Place:** Shizuoka University, Hamamatsu Campus, S-Port 3F Conference Hall

**Registration Fee:** Free

## **Monday, December 5th**

Place: Shizuoka University, Hamamatsu Campus, S-Port 3F Conference Hall

### **Opening (11:15–11:30)**

11:15 Opening Remarks Prof. Masayuki Nakamoto (General Chair, Shizuoka University)

11:20 Opening Greetings Prof. Yukihiro Ito (President, Shizuoka University)

11:25 Opening Greetings Prof. Takeshi Sako (Dean of the Faculty of Engineering, Shizuoka University)

11:40–12:50 Lunch

### **Session 1: Nanomaterials for Displays and NEMS/MEMS Devices**

13:00–13:40 Prof. William I. Milne (Cambridge University, U.K.)  
Gravimetric and Biological Sensors based on SAW and FBAR Technologies

13:40–14:20 Prof. Jack Silver (Brunel University, U.K.)  
Recycling Plastic Packaging using Intelligent Separation technologies

14:20–14:30 Break

### **Session 2: Quantum Dot and Nanotechnologies for Information**

14:30–15:10 Prof. Yvan Bonnassieux (Ecole Polytechnique, France)  
GDOS characterization of Ionic migration in perovskite solar cells

15:10–15:50 Prof. Francois Templier (CEA-LETI, France)  
Challenges for the Fabrication of High-Brightness GaN-Based Microdisplay

15:50–16:30 Prof. Jin Jang, Prof. Eric Moyen (Kyung Hee University, Korea)  
Room temperature synthesized inorganic perovskite quantum dots for light emitting diodes

16:30–17:10 Prof. Changhee Lee (Seoul National University, Korea)  
Suppressing Excessive Charge Injection and Auger Recombination for Improving the Performance of QLEDs

**18:30–20:30 Banquet at Okura Act City Hotel**

Banquet Fee: 8,000 Yen

## Tuesday, December 6th

Place: Shizuoka University, Hamamatsu Campus, S-Port 3F Conference Hall

### Session 3: Advanced NEMS/MEMS Devices

- 10:00–10:40 Prof. Kyu-Chang Park (Kyung Hee University, Korea)  
High Performance Carbon Nanotube Cold Cathode Electron Beam (C-beam)
- 10:40–11:20 Prof. Jang-Hyuk Kwon (Kyung Hee University, Korea)  
Highly Efficient Thermally Activated Delayed Fluorescent Emitters
- 11:20–12:00 Prof. Masayuki Nakamoto (Shizuoka University, Japan)  
Low Operation Voltage and High Tip-Density Nanostructured Transfer Mold Field Emitter Arrays for Power Switching Devices
- 12:00–12:05 **Closing Remarks**  
Prof. William I. Milne (Cambridge University, U.K.)