

The 9th International Nanotechnology/MEMS Seminar (INMS2015)

(Version 2)

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3名、仏国1名、米国1名、韓国5名、国内4名、計14名)が中本研を来訪されます。

第二部「先端科学技術とクラシックピアノ音楽との出会い(The Cutting Edge Science and Technology Meet Classical Piano Music)」を、浜松市文化振興財団のご協力で第9回浜松国際ピアノコンクールのガラコンサートにより、12月7日、18:30開場、19:00開演で、アクトシティ浜松・大ホールにおいて行います。

優勝者の皆様方が、今回の趣旨に鑑み、先端科学技術と音楽の精神の融合と調和を紡いで下さいます。

Prof. William I. Milne,	Cambridge University,	U.K.
Prof. Jack Silver,	Brunel University,	U.K.
Prof. George Fern,	Brunel University,	U.K.
Prof. Yvan Bonnassieux,	Ecole Polytechnique,	France
Prof. Jesse R. Manders,	University of Florida,	U.S.A.
Prof. Jin Jang	Kyung Hee University	Korea
Prof. Kyu-Chang Park,	Kyung Hee University	Korea
Prof. Jang-Hyuk Kwon,	Kyung Hee University	Korea
Prof. Min Chul Suh,	Kyung Hee University	Korea
Prof. Hyun Jae Kim,	Yonsei University,	Korea
Prof. Yoshinobu Aoyagi,	Ritsumeikan University,	Japan
Prof. Yasuhiro Koike	Keio University,	Japan
Prof. Shuji Tanaka,	Tohoku University,	Japan
Prof. Minoru Sasaki,	Toyota Technological Institute,	Japan

The 9th 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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第二部問い合わせ先 URL: <http://www.hipic.jp/>

The 9th International Nanotechnology/MEMS Seminar (INMS2015)

Date : Dec 7th (Mon), 2015

Part I Academic Symposium I : 11:15~16:40

**Part II The GALA Concert of The 9th Hamamatsu International Piano Competition
- Cutting Edge Science and Technology Meet Classical Piano Music -
18:30(Doors Open/開場), 19:00(Curtain Time/開演)**

Dec 8th (Tue), 2015

Part III Academic Symposium II: 9:00~12:00

**Place : Shizuoka University, Hamamatsu Campus, Sanaru Hall/静岡大学浜松キャンパス佐鳴会館
Act City Hamamatsu, Main Hall / アクトシティ浜松 大ホール**

Registration Fee : Part I & III / Free, Part II / 2,000 Yen

Monday, December 7th

Opening (11:15-11:30)

Place : Shizuoka University, Hamamatsu Campus, Sanaru Hall

- 11:15 Opening Remarks M. Nakamoto, General Chair, Shizuoka University
11:20 Opening Greetings Y. Ito, President, Shizuoka University
11:25 Opening Greetings T. Sako, Dean of the Faculty of Engineering, Shizuoka University
11:40-12:50 Lunch

Part I Academic Symposium I (13:00~16:40)

Place : Shizuoka University, Hamamatsu Campus, Sanaru Hall

Session 1: Nanomaterials for Displays and NEMS/MEMS Devices

- 13:00-13:25 W. I. Milne, Cambridge University, U.K.
"SOI Platform for Gas Microsensors"
13:25-13:50 J. Silver, Brunel University, U.K.
"Light Emitting Materials from the Nanometer Sized World. New concepts in Phosphor Design"
13:50-14:15 G. Fern, Brunel University, U.K.
"Applications and Limitations of using Cathode-Luminescence Imaging and Spectroscopy Techniques in the Transmission Electron Microscope"
14:15-14:40 Y. Bonnassieux, Ecole Polytechnique, France
"Perovskite Cells with Zinc Oxide Layer"
14:40-15:00 Break

Session 2: Quantum Dot and Nanotechnologies for Information

- 15:00-15:25 J. R. Manders, University of Florida, U.S.A.
"Next-Generation Display Technology: Quantum Dot LEDs"

15:25-15:50 J. Jang, Kyung Hee University, Korea
"Robust Oxide TFT for Flexible and Rollable Electronics"

15:50-16:15 Y. Koike, Keio University, Japan
"Advanced Photonics Polymers towards 8K Display"

16:15-16:40 S. Tanaka, Tohoku University, Japan
"MEMS as Key Devices for Smarter Society"

**Part II The GALA Concert of the 9th Hamamatsu International Piano Competition
- Cutting Edge Science and Technology Meet Classical Piano Music -**

Place : Act City Hamamatsu, Main Hall

Registration Fee : 2,000 Yen, Information URL: <http://www.hipic.jp/9th/ticket/>

18:30 Doors Open of The 2nd Part

19:00 Curtain Time of The 2nd Part

The GALA Concert of the 9th Hamamatsu International Piano Competition

21:00-22:30 Banquet at Sky Banquet, Okura Act City Hotel 45th Floor

Banquet Fee : 8,000 Yen

Tuesday, December 8th

Part III Academic Symposium II (09:00~12:00)

Place : Shizuoka University, Hamamatsu Campus, Sanaru Hall

Session 3: Advanced NEMS/MEMS Devices

09:00-09:25 Y. Aoyagi, Ritsumeikan University, Japan
"Realization of high Performance of Organic Devices by Nanoscale Control of Surface and Interface"

09:25-09:50 H. J. Kim, Yonsei University, Korea
"Oxide TFT Review"

09:50-10:15 M. Sasaki, Toyota Technological Institute, Japan
"Unconstrained Wearable Respiratory Sensor Across Skin"

Session 4: Carbon Nanotube and Advanced Nanodevices

10:15-10:40 K. C. Park, Kyung Hee University, Korea
"Silicon Thin Films and Devices with Carbon Nanotube Electron Beam
(C-beam) Exposure Technique"

10:40-11:05 J. H. Kwon, Kyung Hee University, Korea
"High Efficiency Tandem White OLEDs"

11:05-11:30 M. C. Suh, Kyung Hee University, Korea
"Suppression of the Viewing Angle Dependence of OLEDs with Strong
Microcavity Structure"

11:30-11:55 M. Nakamoto, Shizuoka University, Japan
"Low Operation Voltage and High Aspect Ratio Transfer Mold Carbon
Nanotubes Field Emitter Arrays"

11:55-12:00 Closing Remarks W. I. Milne, Cambridge University, U.K.