



生体医歯工学共同研究拠点
Research Center for Biomedical Engineering



Hiroshima University Research Institute for Nanodevice and Bio Systems International Workshop on Nanodevice Technologies 2020 March 6, 2020

Satake Memorial Hall, Higashi-Hiroshima Campus

- 9:20- 9:30 Opening
- 9:30-10:10 **[Plenary] Prof. Emeritus Hiroyuki Matsunami (Kyoto University, Japan)**
"Research and Development of SiC Power Semiconductor Devices"
- 10:10-10:50 **[Plenary] Prof. Emeritus Kenji Taniguchi (Osaka University, Japan)**
"Micropower extraction circuits for vibrational energy harvesters"
- 10:50-11:00 Break
- 11:00-11:30 **[Invited] Prof. Carl-Mikael Zetterling (KTH Royal Institute of Technology, Sweden)**
"Research and Development of SiC High Temperature Integrated Circuits"
- 11:30-12:00 **[Invited] Prof. James Im (Columbia University, USA)**
"Fiber-Laser-based Spot-Beam Annealing of Si films for Future TFTs and Devices"
- 12:00-13:00 Lunch
- 13:00-13:50 **Poster Session**
- 14:00-14:40 **[Plenary] Dr. Toshihiko Kanayama (AIST, Japan)**
"Metal-contact formation technology for nano-scale transistors"
- 14:40-15:10 **[Invited] Prof. Shinichi Takagi (University of Tokyo, Japan)**
"MOS Device Technology for advanced logic LSI"
- 15:10-15:40 **[Invited] Dr. Nahomi Aoto (Micron Memory Japan, G.K., Japan)**
"The Future with Semiconductor Memory"
- 15:40-16:00 Coffee Break
- 16:00-16:30 **[Invited] Prof. Tetsu Tanaka (Tohoku University, Japan)**
"Development of Integrated Biomedical Micro/Nanodevices with 3D-IC Technology"
- 16:30-17:00 **[Invited] Prof. Yuji Miyahara (Tokyo Medical and Dental University, Japan)**
"Detection of biomolecular recognition and cell function using biotransistors"
- 17:00-17:30 **[Invited] Prof. Yanli Pei (Sun Yat-Sen University, China)**
"Biosensor based on In₂O₃ Thin Film Transistor with Integrated on Chip Gate Electrodes"
- 17:30-17:40 Closing Remarks
- 18:00-19:30 Banquet

* Presentation will be in English.

Organized by

Research Institute for Nanodevice and Bio Systems, Hiroshima University

In cooperation with

Research Center for Biomedical Engineering, organized with four institutes:

IBB, Tokyo Medical and Dental University

FIRST, Tokyo Institute of Technology

RNBS, Hiroshima University

RIE, Shizuoka University

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Registration (Free)

<http://www.rnbs.>

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