



# Hiroshima University Research Institute for Nanodevice and Bio Systems International Workshop on Nanodevice Technologies 2015

## March 3, 2015

### Hiroshima University Faculty Club Reception Hall (Higashi-Hiroshima Campus)

10:00-10:30 Opening

10:30-11:15 [Plenary Talk] Prof. Wentai Liu  
(California NanoSystem Institute (CNSI), UCLA, USA)

Engineering Hope with Biomimetic Systems

11:15-12:00 [Plenary Talk] Prof. Yuji Miyahara  
(Tokyo Medical and Dental University, Japan)

Detection of biomolecular recognition using bio-transistor

12:00-13:00 Lunch

13:00-13:50 Poster Session

14:00-14:45 [Plenary Talk] Prof. Carl-Mikael Zetterling  
(KTH Royal Institute of Technology, Sweden)

Future applications of integrated circuits in SiC

14:45-15:30 [Plenary Talk] Prof. dr. Ir. Wilfred G. van der Wiel  
(MESA+ Institute for Nanotechnology, University of Twente, The Netherlands)

Ultra-high Magneto-resistance at Room Temperature in Molecular Wires

15:30-16:00 Coffee Break

16:00-16:30 [Invited Talk] Prof. Donhee Ham (Harvard University, USA)  
Nano-bio interface for molecular diagnostic and neuro-technological Applications

16:30-17:00 [Invited Talk] Prof. Michihiro Hide (Hiroshima University, Japan)  
Electro-optic sensing for intact cell activation and its clinical application

17:00-17:30 [Invited Talk] Prof. Koichi Kato (Hiroshima University, Japan)  
Microarrays for identifying biomolecules that have impacts on stem cell fate

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

Nanotechnology Platform Japan, the Ministry of Education, Culture, Sports, Science and Technology (MEXT)

#### With support from

The Electrochemical Society (ECS) Japan Section  
IEEE SSCS Japan Chapter / IEEE SSCS Kansai Chapter  
IEEE CEDA All Japan Joint Chapter

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**Registration (Free, Order of arrival)**  
<http://www.RNBS.hiroshima-u.ac.jp/>

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