

Second Canada – Japan Nanotechnology Workshop (version Nov 29)

Date: Jan 29-30, 2013

Venue: Conference Room 609, Tokyo Big Sight, Japan

Jan 29 (Tuesday)

- 10:00-10:05 Opening, Eiji Muromachi, National Institute for Materials Science
- 10:05-10:15 welcome, MEXT
- 10:15-10:25 welcome, Embassy of Canada
- 10:25-10:55 **Keynote 1** Nanotechnology R&D in Japan, ,
Council for Science and Technology Policy(CSTP) or
MEXT
- 10:55-11:30 **Keynote 2** Overview of Nanotechnology R&D in Canada,
Arthur Carty, Waterloo Nanotechnology Institute
- 11:30-12:00 **Keynote 3** TIA-nano,
Toshihiko Kanayama, National Institute for Advanced Industry and Science Technology
- 12:00-13:20 Lunch
- 13:20-14:20 **Session 1 Energy and Environment (20min*3)**
- 13:20-13:40 Cathode Materials for Lithium Battery,
TBA (Canada)
- 13:40-14:00 Solid electrolyte for Lithium Battery,
Katsunori Takada, National Institute for Materials Science
- 14:20-14:20 Application of Carbon Materials,
, Shinshu University/ Nagano Technology
- 14:20-15:20 **Session 2 Energy and Environment(20min*3)**
- 14:20-14:40 TBA (Canada)
- 14:40-15:00 Carbon Nanotube,
Masaji Koshino, National Institute for Advanced Industry and Science Technology
- 15:00-15:20 Energy-Harvesting CMOS-MEMS Device Platform Technology by University of
Tokyo, Yoshio Mita, University of Tokyo
- 15:20-15:35 Coffee Break
- 15:35-16:35 **Session 3 Nanoelectronics (20min*3)**
- 15:35-15:55 Nano Gap, Yasuhisa Naito, National Institute for Advanced Industry and Science
Technology
- 15:55-16:15 TBA (Canada)
- 16:15-16:35 Optical Antennas, Physics and Application,

Tadaaki Nagao, National Institute for Materials Science

- 16:35-17:55 **Session 4 Quantum Electronics(20min*4)**
16:35-16:55 Quantum Information, Yoshihisa Yamamoto, RIKEN/Stanford University
16:55-17:15 TBA (Canada)
17:15-17:35 Superconducting quantum circuits, Yasunobu Nakamura, University of Tokyo
17:35-17:55 Design of Nano Quantum Device for Manipulating Majorana Fermions,
Xiao Hu, National Institute for Materials Science
17:55-18:20 **Keynote 4** Nano business matching,
Masahide Hayashi, Nanotechnology Business Creation Initiative
18:20 Closing Toshimi Shimizu or Ichiro Matsubara,
National Institute for Advanced Industry and Science Technology

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- 10:00-11:00 **Session 5 Biomaterials (20min*3)**
10:00-10:20 Separation of Carbon Nanotube,
Takeshi Tanaka, National Institute for Advanced Industry and Science Technology
10:20-10:40 Bioimaging and sensing, Francoise Winnik, University of Montreal/NIMS
10:40-11:00 Nano Medical Engineering, Yoshihiro Ito, RIKEN
11:00-12:00 **Session 6 Nanostructures / Tools (20min*3)**
11:00-11:20 Extraction of noble materials,
Takashi Arimura, National Institute for Advanced Industry and Science Technology
11:20-11:40 Fuel Cell and Secondary Battery, T. Osaka, Waseda University
11:40-12:00 TBA (Canada)
12:00-12:20 Nanotube properties for novel devices,
Dmitri Golberg, National Institute for Materials Science

12:20-13:30 **Presentation on Display Booths of Nanotech Exposition**
12:20-12:30 TBA (Canada)
12:30-12:40 Toshimi Shimizu or Ichiro Matsubara,
National Institute for Advanced Industry and Science Technology
12:40-12:50 Koji Ishibashi, RIKEN
12:50-13:00 Takao Mori, National Institute for Materials Science
13:00-13:30 **Summary and Recommendation,**
Arthur Carty, Waterloo Nanotechnology Institute
Tetsuji Noda, National Institute of Materials Science
13:30 Closing, Junichi Sone, National Institute for Materials Science