

# The 3rd NIMS(MANA)-Waseda International Symposium

on November 1, 2011

Conference Room 121, Building #120-5, Waseda Campus, Waseda University.

## PROGRAM

November 1, 2011(Tuesday):

### Opening 13:00-13:10

13:00-13:10 ***Opening Remarks***  
Kazuyuki Kuroda (Waseda Univ.)  
Toyohiro Chikyow (MANA, NIMS)

### Session I 13:10-14:30

13:10 – 13:30 “Novel Synthesis and Properties of Inorganic Semiconducting Nanostructures”  
Yoshio Bando (MANA, NIMS)

13:30 – 13:50 “Diamond Solution-Gate FETs for Protein Sensor using DNA/RNA Aptamers”  
Hiroshi Kawarada (Waseda Univ.)

13:50 – 14:10 “Chemical Design of Two-Dimensional Oxide Nanosheets for Tailored Nanoelectronics”  
Minoru Osada (MANA, NIMS)

14:10 – 14:30 “Optimization of Zeolite Membrane Synthesis by Surface Charge Control”  
Masahiko Matsukata (Waseda Univ.)

Coffee Break (14:30-14:50)

### Session II 14:50-16:10

14:50 – 15:10 “UV-visible-infrared Faraday Isolators based on Oxide and Fluoride Single Crystals”  
Kiyoshi Shimamura (Optical and Electronic Materials Unit, NIMS)

15:10 – 15:30 “Optical Properties in Anisotropic Biological Materials”  
Toru Asahi (Waseda Univ.)

15:30 – 15:50 “Advanced Functional Nanoporous/Mesoporous Materials”  
Yusuke Yamauchi (MANA, NIMS)

15:50 – 16:10 “Dynamic Bond-Order Force Field: A New Chemically Reactive Interatomic Potential”  
Takanobu Watanabe (Waseda Univ.)

Coffee Break (16:10-16:30)

### Session III 16:30-19:30

16:30 - 17:50 Short Oral Presentation (1 min for each presentation)

17:50 - 18:00 ***Closing Remarks***  
Yoshiji Horikoshi (Waseda Univ.)

18:00 – 19:30 Poster Presentation