

The Second AIMR(TU)-CNSI(UCSB) Joint workshop
(2013/2/22, Seminar room in AIMR main building, Tohoku University)

Morning session: Chair (S. Mizukami, AIMR)

- 9:00 Opening, M. Kotani (AIMR director)
“Introduction of AIMR”
- 9:15 Opening, D. Awschalom (CNSI director)
“Introduction of CNSI”
- 9:30 M. Chabinyc (Materials Department, CNSI, UCSB)
“Molecular Ordering and Charge Transport in Semiconducting Polymers”
- 10:20 K. Tanigaki (Materials Physics group, AIMR, TU)
“Bardeen limit and Schottky limit in metal-semiconductor contact in organic semiconductor field effect transistors”
- 11:10 K. Nakajima (Soft Materials group, AIMR, TU)
“Heterogeneous nature of polymeric materials”

Afternoon session: Chair (K. Nakajima, AIMR)

- 13:30 C. Palmstrom (Electrical & Computer Engineering Materials, CNSI, UCSB)
“Semimetallic Rare-Earth-V Nanostructures Embedded in a III-V Semiconductor Matrix”
- 14:20 F. Matsukura (Device/System group, AIMR, TU)
“dc Voltages Induced by Magnetization Dynamics in (Ga,Mn)As-based Structures”
- 15:10 coffee break
- 15:30 C. J. Garcia-Cervera (Mathematics Department, CNSI, UCSB)
“A Linear Scaling Subspace Iteration Algorithm with Optimally Localized Non-Orthogonal Wave Functions for Kohn-Sham Density Functional Theory”
- 16:10 M. Miyama (Interface unit, AIMR, TU)
“Approach from Topology Theory for Characterizing Materials”
- 16:50 Discussion on possible collaboration (Both directors)
- 17:10 Comment from the international advisory board, J. G. Bednorz
- 17:20 Closing, M. Tsukada (Administrative Director, AIMR)