

Note: The program has been changed.

Starting time is 8:30 !!

Special plenary by Prof. Dresselhaus !

Workshop on Dirac Electron Systems in Tsukuba 2011

Date: Jan. 19, 2011 (Wed) 8:30-17:10

Site : NIMS (*Namiki-Site*) Collaboration bldg. 4F Large Seminar Room

**** Morning Session I (Dirac electron: Theory) ****

Chairman:

8:30-9:15 (35+10 min): M.S. Dresselhaus (MIT)

Special Lecture

9:15-10:00 (35+10 min) : Mikito Koshino (Tohoku Univ.)

Graphene monolayer-bilayer junction and interface Landau levels

10:10-10:45 (35+10 min) : Kentaro Nomura (RIKEN)

Quantum Hall effects of Dirac fermions

**** Coffee Break ****

10:45-11:00 (15min)

**** Morning Session II (Graphene: Experiment) ****

Chairman:

11:00-11:35(25+10 min) : Katsuaki Sugawara (Tohoku Univ.)

ARPES studies of monolayer and bilayer graphene on SiC

11:35-12:05(20 +10 min) : Kazuyuki Takai (Tokyo Inst. Tech.)

The Electronic Properties of Nanographene

12:05-12:35(20+10min) : Hisao Miyazaki (NIMS)

Energy-band engineering in bilayer graphene

***** Photo Session *****

12:35 – 12:45; Group photo at the entrance of collaboration bldg.

***** Lunch Break *****

12:45-14:00

Chairman:

**** Afternoon Session I (Graphene and Dirac Fermion Systems) ****

14:00-14:40(30+10min) : Akinobu Kanda (Univ. Tsukuba)

Spin and Cooper-pair transport in graphene

14:40-15:25(35+10min): Takao Morinari (Kyoto Univ.)

Magnetoresistance in organic Dirac fermion system

**** Coffee Break ***

15:25-15:40 (15 min)

***** Afternoon Session II (Organic materials and devices) *****

Chairman:

15:40-16:15 (25+10min) : Hiroshi Yamamoto (RIKEN)

Field-induced Mott-transition in an organic FET interface

16:15-17:00(35+10min) : Yoshihiro Kubozono (Okayama)

*Field-effect transistor devices with hydrocarbon network materials
and their physical properties*

17:00-17:10 Closing: K. Tsukagoshi

Access to NIMS Namiki-Site for the participant of satellite workshop

(1) *Bus from Tsukuba Bus Center.*- Take an Arakawaoki-bound local bus at the bus stop #4. Get off at "Bushitsu Kenkyujo mae". (7 minutes ride and 1 minute walk) The departure time: 7:35, 7:50, 8:15, 9:07, 9:50, 10:22 Fare: 190 JPY for one way.

(2) *On foot from Tsukuba Bus Center.*- The distance is a few kilometers. It takes about 30 minutes from Tsukuba bus center on foot.

Campus map of NIMS (Namiki-Site)

