

**Opening and Closing: 5min without discussion**

**Invited Talk: 60(30)min including discussion**

**Contributed talk: 15 min including discussion**

9-Aug-17

**Chair Hironichi Kataura**

13:00 **Muneyuki Date**

i1 13:05 **Susumu Saito**

**Opening address**

**Donors and acceptors and their ionization energies in 1D and 2D B-C-N atomic-layer semiconductors: Band-structure engineering via electron correlation and interaction between impurities**

i2 14:05 **Junichi Takeya**

**Charge transport and integrated circuits of organic semiconductors**

15:05 **Break**

**Chair Takeshi Tanaka**

c1 19:15 A. R. T. Nugraha

Controlling vibrational modes by ultrafast laser pulses

c2 19:30 Tomoaki Kaneko

Effect of charge accumulation at domain boundaries on band bending in MoS<sub>2</sub>

c3 19:45 Xiaojun Wei

Photon Reabsorption Effect in Optical Measurements of Single-Wall Carbon Nanotubes

c4 20:00 Guowei Wang

Development of high performance gels for metal/ semiconductor separation of SWCNTs

c5 20:15 Intan F. Hizbullah

Magnetic susceptibility in two-dimensional electron gas with Rashba and Dresselhaus spin-orbit coupling

c6 20:30 M. Shoufie Ukhtary

Optical properties of multilayer dielectric stacks

c7 20:45 Toshiya Shirakura

Theory of exciton effect by most localized Wannier function

21:00 **Free discussion**

10-Aug-17

**Chair Yasumitsu Miyata**

i3 8:30 **Masako Yudasaka**

**Near-Infrared Photoluminescent Carbon Nanotubes for Imaging of Brown Fat**

c8 9:00 Taiki Inoue

Field-effect transistors using horizontally-aligned SWCNTs

c9 9:15 Tetsuki Saito

Interlayer excitons in high-quality MoS<sub>2</sub>/WS<sub>2</sub> vertical

c10 9:30 Yuki Tatsumi

Helicity-exchange of first-order Raman spectra in graphene and

c11 9:45 Kazu Ghalamkari

Valley polarization of hexagonal lattice by broken inversion symmetry

10:00 **Break**

**Chair Ryo Kitaura**

c12 10:15 Takato Hotta

Molecular Beam Epitaxy growth of transition metal dichalcogenide atomic layers

c13 10:30 Yohei Yomogida

Thermoelectric properties of WS<sub>2</sub> nanotube networks

c14 10:45 Nguyen T. Hung

Is there an upper limit of thermoelectric figure-of-merit?

c15 11:00 Fenda R. Pratama

Theory and simulation of near-field enhanced Raman spectroscopy

11:15 **H. Kataura**

**Closing address**

12:45 **Free Discussion**

15:00 End of meeting