

The 5th COE International Symposium

Program (tentative)

14 February (Wed.)

10:50 — 11:00	Osamu Hashimoto (Tohoku U.)	Opening address
11:00 — 11:35	Qi-Kun Xue (Tsinghua U.)	Quantum size effects induced novel properties in quasi-2D electronic system
11:35 — 12:10	Takafumi Sato (Tohoku U.)	Novel electronic states of metal surfaces studied by ultrahigh-resolution photoemission
12:10 — 13:30	Lunch	
13:30 — 14:05	Sungkit Yip (Academia Sinica)	Resonant pairing between fermions
14:05 — 14:40	Kazuaki Iwasa (Tohoku U.)	Role of higher order electron multipoles in the Metal-Nonmetal transition
14:40 — 15:15	Naokazu Shibata (Tohoku U.)	Ground state of 2D electrons in high magnetic field studied by the DMRG method
15:15 — 15:45	Break	
15:45 — 16:20	Yoshinori Hayakawa (Tohoku U.)	Collective dynamics of biological motile elements and its complexity
16:20 — 16:55	Horst Heck (U. Darmstadt)	Stability of the plane Couette flow
16:55 — 17:15	Michinori Ishiwata (Tohoku U.)	Infinite time blow up of radial positive solutions for some semilinear parabolic equations involving critical Sobolev exponent

15 February (Thurs.)

9:25 — 10:00	Toshiyuki Ogawa (Osaka U.)	Wave bifurcations in three-component RD systems
10:00 — 10:20	Yuichi Nohara (Tohoku U.)	Theta functions and semiclassical limit
10:20 — 10:40	Kazutoshi Ohta (Tohoku U.)	Counting BPS solitons
10:40 — 11:00	Break	
11:00 — 11:35	Yutaka Hosotani (Osaka U.)	The most wanted Higgs particle
11:35 — 12:10	Pengfei Zhuang (Tsinghua U.)	Heavy flavor as a probe of quark-gluon plasma
12:10 — 13:30	Lunch	
13:30 — 14:05	David Blaschke (U. Wroclaw)	Equations of state at high densities and modern compact star observations
14:05 — 14:40	Hiroshi Toki (RCNP Osaka)	Pion in Nuclei and Hypernuclei
14:40 — 15:45	Poster session	
15:45 — 16:20	Wen-Hui Duan (Tsinghua U.)	Intrinsic current-voltage characteristics of graphene Nanoribbon transistors: A first principles study
16:20 — 16:55	Alfonso San Miguel (U. Lyon)	Nanomaterials under high pressure and high temperature
16:55 — 17:30	Hideo Hosono (Tokyo Inst. Tech.)	Room temperature stable electrider; synthesis, properties, electronic structure and applications

16 February (Fri.)

9:25 — 10:00	Naoki Yasuda (Tokyo U.)	Observation of high- z supernovae and cosmology
10:00 — 10:20	Yousuke Itoh (Tohoku U.)	Equations of motion for relativistic compact binaries
10:20 — 10:40	Nobuhiro Okabe (Tohoku U.)	Distributions of mass and baryons in merging clusters
10:40 — 11:00	Break	
11:00 — 11:35	Keiichi Umetsu (Academia Sinica)	Status of the AMiBA project
11:35 — 12:10	Kengo Nakamura (Tohoku U.)	Low energy frontier of solar neutrino observation(tentative)
12:10 — 12:45	Tsutomu Shinozuka (Tohoku U.)	Exploring of unstable nuclei
12:45 — 12:50	Closing address	