

新世代研究所 2011 年第 3 回ナノカーボン研究会 及び
蔵王 11 研究会 — ナノチューブ、グラフェン、ナノカーボンに関する研究会—
日時：2011 年 8 月 2 日（火）、8 月 3 日（水）
場所：ホテルルーセントタカミヤ
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目的：ナノチューブ、グラフェン、ナノカーボンに関する
共通の問題について、研究分野の紹介とあわせておこなう。

Programs

(ATI speakers 18min+4min QA, Senior speakers 13min+3min QA, young speakers 10min+2min QA, in English)

Aug. 2, 2011 (Tue.)

10:00 Bus starts at Graduate School of Science
10:45 Bus starts at Sendai Station
12:00 Lunch

Chairperson R. Saito (Tohoku U.)

13:00 M. Date (ATI) : Opening address
13:10 S. Saito (TIT) : Superlattice composed of graphene and hexagonal BN layers
13:32 Y. Sato (Tohoku U.) : EELS study of electronic structure of 3D C60 polymer
13:48 K. Sasaki (NTT) : Theory of optical transitions in graphene nanoribbons
14:10 H. Fukidome (Tohoku U.) : Tunable Epitaxy of Graphene by Surface Termination and Symmetry of SiC
14:26 Y. Hoshikawa (Tohoku U.) : DNA introduction and release from carbon nano-test-tubes
14:42 R. Berenguer (Tohoku U.) : Electrochemical Introduction of Oxygen Containing Groups to a Nanographene Network
14:58 A. Castro-Muñiz (Tohoku U.) : Anodic performance and structural characteristics of PPTA-derived hard carbons
15:14 Free Discussion
18:00 Dinner
19:30 Y. Sun (Nagoya U.) : Controlled Chemical Vapor Deposition Growth of Single-walled Carbon Nanotubes using mist flow method
19:42 S. Zhao (Nagoya U.) : The encapsulation of two mixing metallofullerenes into the inner space of Single-walled Carbon Nanotubes
19:54 P. Tapsanit (Tohoku U.) : The scattering of light by a metallic sphere and near field enhancement
20:06 K. Murakoshi (Tohoku U.) : Plasma CVD synthesis of single-walled carbon nanotubes with

narrow-chirality distribution from nonmagnetic catalyst

- 20:18 M. T. Chowdhury (Tohoku U.) : Polarization and energy dependence of X-ray absorption spectra of graphene
- 20:30 Free Discussion

Aug. 3, 2011 (Wed.)

- 7:00 Breakfast and check out

Chairperson S. Saito (TIT)

- 8:30 Y. A. Kim (Shinshu U.) : Recent Studies on Double Walled Carbon Nanotubes
- 8:52 R. Saito (Tohoku U.) : Raman spectra of bi-layer and trilayer graphene
- 9:14 R. Nouchi (Tohoku U.) : Negative contact resistances apparently appeared at metal-graphene contacts
- 9:30 N. Mitoma (Tohoku U.) : Photochemical reaction of graphene at the time of laser Raman spectroscopy measurement
- 9:42 K. Fujisawa (Shinshu U.) : Chirality Dependant Bulk Electrical Conductivity of Double-Walled Carbon Nanotubes
- 9:54 Break

Chairperson K. Sasaki (NIMS)

- 10:24 A.R.T. Nugraha (Tohoku U.) : Coherent phonon amplitude of single wall carbon nanotube
- 10:36 T. Kato (Tohoku U.) : Room Temperature Edge Functionalization and Doping of Graphene Nanoribbons by Diffusion Plasma Reactions
- 10:52 M. Yudasaka (AIST) : High uptake toxicity of nanohorns in macrophages
- 11:14 R. Saito (Tohoku U.) : Closing address
- 11:30 Lunch
- 12:30 Free Discussion
- 15:30 Bus starts Hotel
- 17:00 Arrive at Sendai Station
- 17:20 Arrive at Tohoku University