

新世代研究所 2009年第1回ナノカーボン研究会 及び
蔵王09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：2009年8月2日(日),8月3日(月)

場所：たかみや瑠璃倶楽リゾート

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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 + 6 min QA, Other speakers 8min + 4 min QA, in English)

Aug. 2nd, 2009 (Sun)

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 Opening Address

R. Saito (Tohoku U.)

13:05 Excitons of Single-Walled Carbon Nanotubes

R. Saito (Tohoku U.)

13:29 Application of carbon nanohorns to drug delivery system

M. Yudasaka (AIST)

13:53 Extreme Abundance of C60 Fullerene Revisited

S. Saito (TIT)

14:17 Characterizing the chirality of edge of graphene

K. Sasaki (NIMS)

- 14:41 Fabrication of low-voltage operated SWCNT-TFT using ink-jet printing
T. Takenobu (Tohoku U.)
- 15:05 Light-controlled currents in C59N peapods feel the temperature
L. F.Li(Tohoku U.)
- 15:17 Epitaxy of Large-Area Graphene Films on Silicon Substrate toward Electronics
H. Fukudome (Tohoku U.)
- 15:29 Break
- 16:00 Free Discussion
- 18:00 Dinner
- Chairperson M. Yudasaka (AIST)
- 19:15 Fabrication and Characterization of Eu-nanowire encapsulated
into Carbon Nanotubes
R. Nakanishi (Nagoya U.)
- 19:27 Synthesis of nanocarbon network inside the zeolite nanochannel
K. Nueangnoraj (Tohoku U)
- 19:39 Separation and Optical Spectroscopy of Single-Walled Carbon Nanotubes
P. Zhao (U. Tokyo)
- 19:51 Toward High-Performance Solution-Processed Carbon Nanotube
Network Transistors by Removing Nanotube Bundles
L. C. Wei (Tohoku U)
- 20:03 Bipolar pn Junction of Graphene with Spin-Orbit Interaction
A. Yamakage (Tohoku U)
- 20:15 Plan of chemical modification of graphene surface
X. Y. Fan (Tohoku U)
- 20:27 Mechanism of thermal boundary conductance between
SWNTs and surrounding materials
J. H. Cha (U. Tokyo)
- 20:39 Development of new method of isolating M@C60
Y. Sado (Nagoya U.)

20:51 Free Discussion

Aug. 3rd, 2009 (Mon)

7:00 Breakfast and check out

Chairperson S. Saito (TIT)

8:30 High-precision localized synthesis of single-walled carbon nanotubes
E. Einarsson (U. Tokyo)

8:42 Magneto-Photoluminescence Spectroscopy for Single Carbon Nanotubes
R. Matsunaga (Kyoto U.)

8:54 Fermi-level pinning at metal/graphene interfaces
R. Nouchi (Tohoku U.)

9:06 HR-EELS study of electronic structure of carbon nanotube
Y. Sato (Tohoku U.)

9:18 Electrical transport property of p-n junction single-walled carbon nanotube
T. Kato (Tohoku U.) T. Kato , R. Hatakeyama

9:30 Break

Chairperson K. Sasaki (NIMS)

9:42 Half-metallicity of Transition-Metal terminated Zigzag Graphene Nanoribbon
Y. Lichang (Tohoku U.)

9:54 Environmental Effects of PL Spectra from SWNTs
S. Chiashi (U. Tokyo)

10:06 Preparation and electrochemical properties of Si/carbon nanotube
based composite anode materials
Z. Yong (Tohoku U.)

10:18 Excitonic effects of single wall carbon nanotubes
K. Sato (U. Tokyo)

10:30 Spin states in carbon nanotubes

W. Izumida (Tohoku U)

10:42 Anti-localization of graphene under substrate electric field

K. Imura(Tohoku U)

10:54 How do we treat environmental effect in exciton energy calculation of SWNTs?

A. R. T. Nugraha (Tohoku U)

11:06 phonon of graphene nanoribbon

M. Furukawa (Tohoku U)

11:30 Lunch

12:30 Free Discussion

15:30 Bus starts Hotel

17:00 Arrive at Sendai Station