



Graduate School of Science, Tohoku University
Endowed Research Laboratory of Dimensional Integrated Nanomaterials

The 2nd International Workshop on Fundamental and Applied Research of Novel Nanocarbon Derivatives

第2回新奇ナノカーボン誘導分子系の研究に関する国際ワークショップ

- Date** : May 28 (Wed)~ 30 (Fri) ●**Venue** : Aoba Science Hall, Tohoku University
●**Registration Fee** : Acad. members: **20,000 JPY/Gr.**, Corp. members: **20,000 JPY/co.**
★The latest information about this event can be found on the following our Lab website :
<http://nano.chem.tohoku.ac.jp/>



Program

Day 1 (May 28)

18:00~ Welcome Party (@AQUAIGNIS)

Day 2 (May 29)

09:00~09:15 Welcome Speech

Masahiro Terada (Tohoku University)

09:15~09:45

“Energy-related Devices Using Fullerene Derivatives and Single-walled Carbon Nanotubes”

Yutaka Matsuo (Nagoya University)

09:45~10:10

“Molecular Structural Engineering toward Extended Fullerenes”

Yoshifumi Hashikawa (Kyoto University)

10:10~10:30 Coffee Break

10:30~11:00

“Singlet oxygen generation from $\text{Li}^+\text{@C}_{60}$ nano-aggregates under light irradiation”

Kei Ohkubo (The University of Osaka)

11:00~11:25

““Isolated” Lithium Fluoride: Synthesis of LiF -Endohedral[60]Fullerene”

Anju Ogino (Tohoku University)

11:25~11:45

“When Carbon Meets High Pressure Science”

Takeshi Nakagawa (Center for High Pressure Science & Technology Advanced Research)

11:45~13:00 Lunch

13:00~14:30 Press Conference

Fukamatsugumi Co., Ltd. and
Graduate School of Science, Tohoku University

Tsutomu Fukamatsu

Masahiro Terada, Fuminori Misaizu

14:30~16:00 Poster Presentation

16:00~16:45

“STM studies with C_{60} and Li@C_{60} ”

Elenor Campbell (University of Edinburgh)

18:00~ Banquet

Day 3 (May 30)

09:30~10:00 “Aerosol-synthesized Surfactant-free

Single-walled Carbon Nanotube-based NO_2 Sensors: Unprecedentedly High Sensitivity, Fast Recovery, and “In-fluid (transformer oil) Applicability””

Il Jeon (Sungkyunkwan University)

10:00~10:25

“Energy Devices Based on Diverse Biomass-Derived Carbon Electrodes”

Yuta Nakayasu (Tohoku University)

10:25~10:45

“Dinuclear Iridium Complexes Coordinated by $\text{Li}^+\text{@C}_{60}$: Synthesis, Structures, and Electronic Properties”

Chinari Fukushi (Tohoku University)

10:45~11:05 Coffee Break

11:05~11:35

“Reductive synthesis of densely functionalized fullerene derivatives”

Shinobu Aoyagi (Nagoya City University)

11:35~12:05

“Development of Ion Trap Ion Mobility Measurement System for Characterizing Nanomaterials”

Toshiki Sugai (Toho University)

12:05~13:15 Lunch

13:15~13:45

“Isomer- and Enantiomer-pure bisPCBM for Organic Electronics”

John Dennis (Xi'an Jiaotong-Liverpool University)

13:45~14:15

“Molecular-level observation of Superatom Molecular Orbitals (SAMOs) of $\text{Li}^+\text{@C}_{60}$ and $\text{Li}^+\text{@C}_{70}$ ”

Yoichi Yamada (University of Tsukuba)

14:15~14:25 Closing Remarks

Fuminori Misaizu (Tohoku University)