September 7th, Wed.

Plenary Lecture: 40 min (Presentation) + 5 min (Discussion)
Special Lecture: 25 min (Presentation) + 5 min (Discussion)
General Lecture: 10 min (Presentation) + 5 min (Discussion)
Poster Preview: 1 min (Presentation)

Plenary Lecture (10:00-10:45)

1S-1 Wafer-Scale Monodomain Films of Spontaneously Aligned Single-Wall Carbon Nanotubes
** Junichiro Kono* 1

General Lecture (10:45-11:30)

Properties of nanotubes・Applications of nanotubes

1-1 Optical Property of Carbon Nanotubes and Low Dimensional Atomic layer materials by using Circular Polarized light
** Riichiro Saito, Naomichi Sato, Yuki Tatsumi* 9

1-2 Control of photoluminescence properties of single-walled carbon nanotubes
** Yutaka Maeda, Yuya Takehana, Akane Nishino, Shun Minami, Michio Yamada, Mitsuaki Suzuki, Shigeru Nagase* 10

1-3 Application of carbon nanotubes as electrodes and doping methods in photovoltaics
** Il Jeon, Shigeo Maruyama, Yutaka Matsuo* 11

>>>>>>> **Coffee Break (11:30-11:45)** <<<<<<<

General Lecture (11:45-12:30)

Applications of nanotubes・Graphene synthesis・Properties of graphene

1-4 Mechanically durable and stretchable micro-supercapacitors with elastomeric components harmonized with wearable field-effect transistors
** Fumiaki Tanaka, Atsuko Sekiguchi, Karolina Laszczyk, Kazufumi Kobashi, Shunsuke Sakurai, Don Futaba, Takeo Yamada, Kenji Hata* 12

1-5 Wafer-scale integration of suspended graphene nanoribbons and its growth mechanisms
** Hiroo Suzuki, Toshiro Kaneko, Yasushi Shibuta, Munekazu Ohno, Yuki Maekawa, Toshiaki Kato* 13

1-6 Direct observations of graphene and its oxide dispersed in solution
*Yutaka Matsuno, Yu-uya Sato, Hikaru Sato, * Masahito Sano* 14

>>>>>>> **Lunch Time (12:30-13:45)** <<<<<<<

Special Lecture (13:45-14:15)

1S-2 Growth and characterization of in-plane atomic layer heterostructures
** Yasumitsu Miyata* 2

General Lecture (14:15-15:15)

Atomic layers

1-7 Visualization of structural modulation in the charge density wave phase of 1T-$TaSe_2$ by scanning transmission electron microscopy
** Keita Kobayashi, Hidehiro Yasuda* 15

1-8 Polarity control of h-BN nanoribbons by uniaxial strain
** Ayaka Yamanaka, Susumu Okada* 16

September 7th, Wed.

>>>>>>> Coffee Break (15:15-15:30) <<<<<<<

Special Lecture (15:30-16:00)

General Lecture (16:00-16:45)

Atomic layers・Nanohorns・Nanowires

Poster Preview (16:45-17:25)
Poster Session (17:25-19:00) **(☆) Candidates for the Young Scientist Poster Award**

Chemistry of fullerenes

Applications of fullerenes

Endohedral metallofullerenes

Fullerenes

September 7th, Wed.

Properties of nanotubes

Applications of nanotubes

Formation and purification of nanotubes

September 8th, Thu.

Plenary Lecture: 40 min (Presentation) + 5 min (Discussion)
Special Lecture: 25 min (Presentation) + 5 min (Discussion)
Award Nominee Lecture: 10 min (Presentation) + 10 min (Discussion)
General Lecture: 10 min (Presentation) + 5 min (Discussion)
Poster Preview: 1 min (Presentation)

Plenary Lecture (9:45-10:30)

2S-4 Growth of Single-Walled Carbon Nanotubes with Controlled Structure
** Jin Zhang* 4

General Lecture (10:30-11:15)

Properties of nanotubes・Formation and purification of nanotubes

2-1 Doping and electronic properties of BN nanotubes
** Susumu Saito, Yoshitaka Fujimoto* 22

2-2 Chirality selective synthesis of single-walled carbon nanotubes with sputtered Co-W catalyst and its possible mechanism
** Hua An, Rong Xiang, Hiroki Takezaki, Shinnosuke Ohyama, Yang Qian, Taiki Inoue, Shohei Chiashi, Shigeo Maruyama* 23

2-3 Development of new polymeric gels for the M/S separation of single-wall carbon nanotubes
** Guowei Wang, Xiaojun Wei, Atsushi Hirano, Shunjiro Fujii, Takeshi Tanaka, Hiromichi Kataura* 24

>>>>>>> Coffee Break (11:15-11:30) <<<<<<<

Osawa Award Nominee Lecture (11:30-11:50)

2-4 Utilizing a caged electron spin of an endohedral metallofullerene for molecular location sensing
** Yuta Takano, Ryo Tashita, Mitsuaki Suzuki, Shigeru Nagase, Hiroshi Imahori, Takeshi Akasaka* 25

Iijima Award Nominee Lecture (11:50-12:30)

2-5 Evaluation of Enantiomeric Purity of Single-Wall Carbon Nanotubes using Flavin Mononucleotide
** Xiaojun Wei, Yohei Yomogida, Atsushi Hirano, Shunjiro Fujii, Takeshi Tanaka, Naomichi Sato, Riichiro Saito, Hiromichi Kataura* 26

2-6 Low temperature growth of ultra-high mass density carbon nanotube forests on conductive supports
** Hisashi Sugime, Santiago Esconjauregui, Lorenzo D'Arcié, John Robertson* 27

>>>>>>> Lunch Time (12:30-13:45) <<<<<<<

Award Ceremony (13:45-14:00)

General Meeting of the FNTG Society (14:00-14:30)

Special Lecture (14:30-15:00)

2S-5 Super-Growth CVD: Past, Present, and Future
** Don Futaba* 5

September 8th, Thu.

General Lecture (15:00-15:45)

Applications of graphene

>>>>>>> Coffee Break (15:45-16:00) <<<<<<<

General Lecture (16:00-16:30)

Properties of graphene・Other topics

Poster Preview (16:30-17:10)

Poster Session (17:10-18:45) (☆) Candidates for the Young Scientist Poster Award

Chemistry of fullerenes

Applications of fullerenes

Endohedral metallofullerenes

September 8th, Thu.

Properties of nanotubes

Applications of nanotubes

Formation and purification of nanotubes

September 8th, Thu.

Endohedral nanotubes

Graphene synthesis

Applications of graphene

Properties of graphene

Atomic layers

Banquet (19:00-21:00) **2F, Tancho, Hotel Sapporo Garden Palace**

September 9th, Fri.

Special Lecture: 25 min (Presentation) + 5 min (Discussion)
General Lecture: 10 min (Presentation) + 5 min (Discussion)
Poster Preview: 1 min (Presentation)

Special Lecture (9:45-10:15)

General Lecture (10:15-11:00)

Properties of nanotubes・Applications of graphene

>>>>>>> Coffee Break (11:00-11:15) <<<<<<<

Special Lecture (11:15-11:45)

General Lecture (11:45-12:30)

Properties of graphene

>>>>>>> Lunch Time (12:30-13:45) <<<<<<<

Poster Preview (13:45-14:25)
Poster Session (14:25-16:00) (☆) Candidates for the Young Scientist Poster Award

Chemistry of fullerenes

September 9th, Fri.

Applications of fullerenes

Endohedral metallofullerenes

Properties of nanotubes

Applications of nanotubes

September 9th, Fri.

Formation and purification of nanotubes

Endohedral nanotubes

Graphene synthesis

Applications of graphene

September 9th, Fri.

September 9th, Fri.

Special Lecture (16:00-16:30)

General Lecture (16:30-17:15)

Endohedral nanotubes・Chemistry of fullerenes・Fullerenes