Tuesday, March 2nd
Special Lectures : 25 min (Presentation) + 5 min (Discussion)
General Lectures : 10 min (Presentation) + 5 min (Discussion)
Poster Previews : 1 min (Presentation), No Discussion

Special Lecture (9 : 00-9 : 30)

1S-1 Recent Developments in Nanodiamond Researcl
○Eiji Osawa

General Lecture (9 : 30-10 : 30)

Properties of Nanotubes

1-1 Exciton Dynamics in Hole-Doped Single-Walled Carbon Nanotube
○Kazunari Matsuda, Yuhei Miyauchi, Takero Sakashita, and Yoshihiko Kanemitsu

1-2 Photoluminescence Kinetics in PFO-Wrapped SWNT Paper
○Takeshi Koyama, Yasumitsu Miyata, Yuki Asada, Hisanori Shinohara, Hiromichi Kataura
Arao Nakamura

1-3 Environment Effects on Bundled Carbon Nanotubes Detected by Coherent Phonon
○Keiko Kato, Daisuke Takagi, Yoshihiro Kobayashi, Hiroki Hibino, Atsushi Ishizawa, Katsuya Oguri
Hideki Gotoh, Hidetoshi Nakano

1-4 Short wavelength electroluminescence from single-walled carbon nanotubes with high bias voltag
○Hideyuki Maki, Satoru Suzuki, Norihito Hibino , Yoshihiro Kobayashi, Tetsuya Sato

Coffee Break (10 : 30-10 : 45)

General Lecture (10 : 45-11 : 45)

Properties of Nanotubes

1-5 Observation of Bound Tween80 Surfactant Molecules on Carbon Nanotubes in ar
Aqueous Solution using Pulsed Field Gradient Nuclear Magnetic Resonance Method
○Haruhisa Kato, Ayako Nakamura, Kohei Mizuno, Manabu Shimada, Kayori Takahashi
Sinichi Kinugasa

1-6 Surface-Enhanced Raman Scattering from an Isolated Single-Walled Carbon Nanotube
at the Gap of Metal Nanodimer
○Satoshi Yasuda, Mai Takase, Keiichiro Komeda, Masanobu Nara, kei Murakoshi

1-7 E11 and E22 Bandgap Modulation of Semiconduting Single -Walled Carbon Nanotube
by Adsorbing Alminium Clusters
○Yoshiteru Takagi, Susumu Okada

1-8 The fundamental importance of background analysis in precise characterization of single-wal
carbon nanotubes by optical absorption spectroscopy
○Takeshi Saito, Shigekazu Ohmori, Masayoshi Tange, Bikau Shukla, Toshiya Okazaki
Motoo Yumura, Sumio Iijima

Lunch Time (11 : 45-13 : 00)

General Lecture (13 : 00-14 : 15)

Applications of Nanotubes

1-9 Site-selective deposition of single-wall carbon nanotube film using patterned self-assemble
monolayer and its application to thin-film transistors
○Shunjiro Fujii, Takeshi Tanaka, Takeo Minari, Kazuhito Tsukagoshi, Hiromichi Kataura

1-10 Fabrication of high-performance thin film transistor with plasma CVD grown single-walled carbon
nanotubes and elucidation of its working mechanism
○Shunsuke Kuroda, Toshiaki Kato, Toshiro Kaneko, Rikizo Hatakeyama

1-11 Incorporating of carbon nanotubes in donor-acceptor based heterojunction solar cell
○Golap Kalita, Koichi Wakita and Masayoshi Umenc

1-12 Bottom-up assembly of carbon nanotubes electrocatalyst for polymer electrolyte fuel ce
○Tsuyohiko Fujigaya, Kazuya Matsumoto, Naotoshi Nakashima

1-13 Morphology Change of Multi-Walled Carbon Nanotube Field Emitters Studied by In-Situ Transmissio Electron Microscopy
○Toshinari Ichihashi, Fumishige Nakamura, Ryota Yuge, Mayumi Kosaka, Kiyohiko Toyam

Coffee Break （14：15-14：30）

Special Lecture（14：30-15：00）

1S-2 Biological Application of Fullerene Derivative
○Tadahiko Mashino, Shigeo Nakamura

General Lecture（15:00-15：45）

Applications of Nanotubes

1-14 HRTEM observation of a crystalline-cluster phase inside ionic liquids freestanding on CN super-thin films
○Shimou Chen, Keita Kobayashi, Ryo Kitaura, Yasumitsu Miyata, Kazu Suenaga, Hisanori Shinohar

1-15 Preparation of silica gel microparticles coated by pristine carbon nanotubes for the liqui chromatography stationary phase
○JongTae Yoo, Tsuyohiko Fujigaya, Naotoshi Nakashima

1-16 Surface Activated Bonding between Au layer and Vertically Aligned Multiwalled Carbon Nanotube
○Masahisa Fujino, Tadatomo Suga, Ikuo Soga, Daiyu Kondo, Yoshikatsu Ishizuki, Taisuke Iwai Masataka Mizukoshi

Poster Preview（15：45-16：30）
Poster Session（16：30-17：50）

Properties of Nanotubes

1P-1 Energetics and Electronic structure of Nitrogen-doped Carbon Nanotub
○Yoshitaka Fujimoto, Susumu Saito

1P-2 Thermal conduction property measurements of vertically-aligned single-walled carbon nanotube film by utilizing Raman spectrum
○Kei Ishikawa, Shohei Chiashi, Theerapol Thurakitseree, Takuma Hori, Rong Xiang, Makoto Watanabe,

1P-3 Deformation and charge transfer of the single-walled carbon nanotube adsorbed on the metallic surface
○Masayuki Hasegawa, Kazume Nishidate

1P-4 IR and Raman Stealth Effect for Molecules Absorbed on Single-Walled Carbon Nanotube
○Yoshifumi Nishimura, Stephan Irle

1P-5 Effect of adsorption of benzene on field electron emission from a carbon nanotub
○Akkawat Ruammaitree, Hailong Hu, Hitoshi Nakahara, Yahachi Saito

1P-6 Theoretical Investigation on Single-Walled Carbon Nanotubes Functionalized by Bingel Reactio
○Eisuke Kawabata,Hiroyuki Fueno,Kazuyoshi Tanaka,Tomokazu Umeyama,Hiroshi Imahor

1P-7 Vibrational spectra and excited state calculation of polyynes@SWNT
○Md. Mahbubul Haque, Riichiro Saito

1P-8 Simple dielectric constant function for the environment effects on the exciton energies o single-wall carbon nanotubes
○Ahmad R. T. Nugraha, Riichiro Saito, Kentaro Sato, Paulo T. Araujo, Ado Jorio

1P-9 What is the exciton effect in the Raman resonance window of semiconducting single wall carbo
○Jin Sung Park, Kentaro Sato, Riichiro Saito

1P-10 Control of colors of thin films of metallic and semiconducting single-wall carbon nanotub
by electrochemical doping
○Rieko Moriya, Kazuhiro Yanagi, Takuya Suzuki, Yasuhisa Naitoh, Hiromichi Kataura
Kazuyuki Matsuda, Yutaka Maniwa

1P-11 Exciton environmental effects of resonance Raman and photoluminescence intensity of
single wall carbon nanotubes
○Kentaro Sato, Riichiro Saito, Shigeo Maruyama

1P-12 Structure separation of single-walled carbon nanotubes by agarose ge
○Huaping Liu, Ye Feng, Takeshi Tanaka, Hiromich Kataura

1P-13 Graph-Theoretical Study of Finite Length Zigzag Carbon Nanotube
○Noriyuki Mizoguchi

1P-14 Physical properties of boron-doped Carbon nanotube grown by Microwave Plasma CVD metho
○Tohru Watanabe, Shunsuke Tsuda, Takahide Yamaguchi, Yoshihiko Takano

1P-15 Energetics and Electronic Structures of Twisted Carbon Nanotubes
○Koichiro Kato, Susumu Saito

1P-16 Effects of laser irradiation and heating on HiPco nanotubes probed by Raman spectroscopy
○Mari Hakamatsuka, Dongchul Kang, Kenichi Kojima, Masaru Tachibana

1P-17 Evaluation of Electron Transfer Reaction Rate of Redox Species at Carbon Nanotube Interfac
○Masato Tominaga, Hiroyuki Yamaguchi

1P-18 Self-consistent calculation of single atom adsorption on a carbon nanotub
○Naoki Hosoya, Koichi Kusakabe

Applications of Nanotubes

1P-19 Stimuli responsive adsorption and desorption of small molecules on SWNTs surfaces i
SWNT/polymer gel composite.
○Tatsuro Morimoto, Tsuyohiko Fujigaya, Naotoshi Nakashima

1P-20 Performance Enhancement of Organic Solar Cells with Polymer-SWCNT Composite Hole
Transport Layer by Inserting Thin Cap Layer
○Naoki Kishi, Shinya Kato, Takeshi Saito, Daiki Ito, Yasuhiko Hayashi, Tetsuo Soga, Takashi Jimbo

1P-21 Mechanical Strength Improvement of PVA/CNT Composites by Sidewall Functionalization of CN
○ Masaru Sekido, Kouki Utsumi, Hiroyuki Ohmiya, Taihei Yamazaki, Susumu Kumagai,
Hiroshi Kitamura, Hisato Takeuchi, Masatomi Ohno

1P-22 Development of microreactors consisting of vertically aligned carbon nanotube film
○Hiroshi Kinoshita, Akira Yamakawa, Nobuo Ohmae

1P-23 Production of hydrogen and fixation of carbon by thermal decomposition of ethano
○Yosuke Kakimi, Hitoshi Nakahara, Koji Asaka, Yahachi Saito

1P-24 Scalable Fabrication of Co-, Ni-, and Pd-Nanoparticle-Containing CNTs on SPM Probe Apice
○Ian Thomas Clark, Masamichi Yoshimura

1P-25 Carbonization of polybenzimidazole-wrapped carbon nanotubes and their oxygen reduction activit
○Takeshi Uchinoumi, Tsuyohiko Fujigaya, Naotoshi Nakashima

1P-26 Electrical Properties of Carbon Nanotubes / Rubber Composites Prepared with Rotation
Revolution Mixing Technique
○Ayumu Sakai, Koji Tsuchiya, Takeo Furukawa and Hirofumi Yajima

1P-27 One-step Fabrication of Single-Walled Carbon Nanotubes Thin Film Transistor by Patterned Growt
○Shinya Aikawa, Rong Xiang, Erik Einarsson, Shohei Chiashi, Junichiro Shiomi, Eiichi Nishikawa, Shigeo Maruyama

1P-28 Microcontact Printing of Organic Molecules and Carbon Nanotubes
○Jan Mehlich, Bart Jan Ravoo, Hisanori Shinohara

Carbon nanoparticles

1P-29 Formation of Copper Nanowire-filled Carbon Nanotubes and Polyhedral Graphite Particle by Alcohol Arc Discharge
○Akira Koshio, Makoto Yamamoto, Kazuki Gion, Fumio Koka

1P-30 Effect of high temperature annealing on the ferromagnetism of carbon nanofoam
○Hirohito Asano, Sumio Iijima, Shunji Bandow

1P-31 Electric Properties of Carbon Materials/ Polymer Composites Prepared with Rotation/ Revolution Kneading Technique
○Ryo Shiotani, Koji Tsuchiya, Takeo Furukawa, Hirofumi Yajima

1P-32 Formation of LaC_2 containing multi-shell carbon nanocapsules by rapid heat treatment of La fullerene soot synthesized at 20 Torr He
○Kazunori Yamamoto, Takeshi Akasaka

Candidates for the Young Scientist Poster Award

1P-33 Characterization of lengthsorted DNA-wrapped carbon nanotube thin film transistors
○Yuki Asada, Yasumitsu Miyata, Kazunari Shiozawa, Yutaka Ohno, Ryo Kitauara, Toshiki Sugai, Tkashi Mizutani, Hisanori Shinohara

1P-34 Diameter Tuning of Single-Walled Carbon Nanotubes through H2 Reaction in Au-Catalyzed Plasma
○Zohreh Ghorannevis, Toshiaki Kato, Toshiro Kaneko, Rikizo Hatakeyama

1P-35 Solvent dependency for solubilization of single-walled carbon nanotubes using solubl
○Takahiro Fukumaru, Tsuyohiko Fujigaya, Naotoshi Nakashima

1P-36 Structural Characterization of $La@C_{82}Cp^*$ Dimer
○Satoru Sato, Yutaka Maeda, Hidefumi Nikawa, Naomi Mizorogi, Takahiro Tsuchiya, Takeshi Akasaka, Zdenek Slanina, Shigeru Nagase

1P-37 DFTB/MD simulations of functionalized open-ended SWCNTs annealing under high-T
○Hironori Hara, Stephan Irle

1P-38 Electrical Conductivity Improvement of Carbon Nanotube Wire
○Tomohiro Shimazu, Milan Siry, Kenji Okeyui, Hisayoshi Oshima

1P-39 In-situ transmission electron microscopy of structural change of the contact between gold and a carbon
○Motoyuki Karita, Koji Asaka, Yahachi Saito

1P-40 Isomerization of a Carbene Derivative of Metal Carbide Endofullerene $Sc_2C_2@C_{80}$
○Hiroki Kurihara, Yuko Yamazaki, Hidefumi Nikawa, Naomi Mizorogi, Takahiro Tsuchiya, Shigeru Nagase, Takeshi Akasaka

1P-41 Linewidth of Raman G^+-Band Features of Individual Single-Walled Carbon Nanotubes from Isotopic Carbon Sources
○Pei Zhao, Rong Xiang, Kentaro Sato, Erik Einarsson, Shigeo Maruyama

Tuesday, March 3rd
Special Lectures : 25 min (Presentation) + 5 min (Discussion)
General Lectures : 10 min (Presentation) + 5 min (Discussion)
Poster Previews : 1 min (Presentation), No Discussion

Special Lecture (9 : 00-9 : 30)

2S-3 Organic Synthesis of Endofullerenes Encapsulating a Small Molecul
○Yasujirou Murata

General Lecture (9 : 30-10 : 30)

Function and Applications of Fullerenes

2-1 Behavior of fullerenes as electron acceptor at the liquid-liquid interfac
○Tsugumi Hayashi, Hideyuki Takahashi, Kazuyuki Tohji

2-2 Carbosilylation of $La_2@C_{80}$ with Silacyclopropane
○Mari Minowa, Michio Yamada, Masahiro Kako, Takahiro Tsuchiya,
Naomi Mizorogi, Takeshi Akasaka, Shigeru Nagase

2-3 Ultraviolet photoelectron spectra of C_{3v}-$M_2@C_{82}$ and C_{3v}-$(MC)_2@C_{82}$(M= Er, Lu, Tm)
○Takafumi Miyazaki, Yusuke Aoki, Youji Tokumoto, Ryohei Sumii, Haruya Okimoto
Hisashi Umemoto, Yasuhiro Ito, Noriko Izumi, Hisanori Shinohara, Shojun Hino

2-4 Isolation of Lithium Endohedral [60]fullerene
○Hiroshi Okada, Takeshi Sakai, Yoshihiro Ono, Kazuhiko Kawachi, Kenji Omote, Yasuhiko Kasama
Kuniyoshi Yokoo, Shoichi Ono, Shinobu Aoyagi, Eiji Nishibori, Hiroshi Sawa, Ryo Kitaura,
Hisanori Shinohara, Shinsuke Ishikawa, Takashi Komuro, Hiromi Tobita

Coffee Break (10 : 30-10 : 45)

General Lecture (10 : 45-11 : 45)

Fullerene solids and Chemistry of Fullerenes

2-5 Photovoltaic Cell based on Photoinduced Charge Separation of Fullerene-Aluminum(III)
Porphyrin Molecular System
○Osamu Ito, Atula D. S. Sandanayaka, Taku Hasobe, Prashanth K. Poddutoori, Art van der Est

2-6 Properties of Water-soluble Fluorous Vesicle Formed from Perfluoroalkylated Fullerene Amphiphi
○Tatsuya Homma, Koji Harano, Hiroyuki Isobe, Eiichi Nakamura

2-7 Electron transport property and ESR measurement of UV light irradiated fullerene nano whiske
○Tatsuya Doi, Kyouhei Koyama, Nobuyuki Aoki, Yuichi Ochia

2-8 Electron-phonon couplings and superconductivity in fcc and A_{15} A_3C_{60}
○Takashi Koretsune, Susumu Saito

Lunch Time (11 : 45-13 : 00)

Awards Ceremony (13 : 00-13 : 45)

Special Lecture (13 : 45-14 : 15)

2S-4 Standardization on carbon nanotubes
○Haeseong Lee

General Lecture（14：15-15：15）

Nanowires

2-9 High-Yield Synthesis of Nitrogen Endohedral Fullerenes by Plasma Contro
○Sunao Miyanaga,Toshiro Kaneko,Hirosasu Ishida,Rikizo Hatakeyama

2-10 The electronic structure of azafullerene encapsulated single-walled carbon nanotube
○H.Yagi, Y.Tokumoto, M. Zenki, T.Zaima, T.Miyazaki, S.Hino, N.Tagmatarchis, Y.Iizumi,

2-11 Prevention of Crystal Growth of Tin and Lead in Confined Nanospace
○Keita Kobayashi, Kazu Suenaga, Takeshi Saito, Sumio Iijima

2-12 Metallic layered compound: Potassium-intercalated hexagonal boron nitrid
○Susumu Okada, Minoru Otani

Coffee Break （15：15-15：30）

General Lecture（15：30-16：15）

Graphene and Carbon Nanoparticles

2-13 Highly-Efficient Field Emission from Carbon Nanotube-Nanohorn Hybrids Prepared
by Chemical Vapor Deposition
○Ryota Yuge, Jin Miyawaki, Sadanori, Kuroshima, Toshinari Ichihashi, Tsutomu Yoshitake
Tetsuya Ohkawa, Yasushi Aoki, Sumio Iijima, Masako Yudasaka

2-14 Isotope Scrambling in the Formation of Polyyne Carbon Chains
○Tomonari Wakabayashi, Mao Saikawa, Yoriko Wada

2-15 Development of Ion Trap Ion Mobility Measurements
○Yoshihiko Sawanishi, Toshiki Sugai

Poster Preview（16：15-17：00）
Poster Session（17：00-18：20）

Function and Applications of Fullerenes

2P-1 Nickel-Atom Endohedral Fullerenes Synthesized by Irradiation of Nickel Ions Generated by Plasm
○Tatsuya Umakoshi, Hiroyasu Ishida, Toshiro Kaneko, and Rikizou Hatakeyama

2P-2 Nature of chemical bonding in endohedral di-metallofullerenes and their carbides
$M_2(C_2)@C_{2n}$ (M=Y, La, Er, Lu; 2n=82 and 80)
○Jian Wang, Stephan Irle

2P-3 Purification and Characterization of $[Li@C_{60}]^+$ salts
○Takeshi Sakai, Hiroshi Okada, Yoshihiro Ono, Kazuhiko Kawachi, Kenji Omote, Yasuhiko Kasama,
Kuniyoshi Yokoo, Shoichi Ono, Takashi Komuro, Hiromi Tobita

2P-4 Synthetic and Structural Studies on an Iridium Complex of the $Li@C_{60}$ Cation
○Takahito Watanabe, Takashi Komuro, Hiroshi Okada, Takeshi Sakai, Yoshihiro Ono,
Yasuhiko Kasama, Hiromi Tobita

2P-5 $Gd@C_{82}$ derivatives based MRI contrast agents
○Jinying Zhang, Yasumitsu Miyata, and Hisanori Shinohara

2P-6 Spectroscopic Characterization of Singly Reduced $Li^+@C_{60}$
○Kimio Akiyama, Hiroshi Okada, Takeshi Sakai, Yoshihiro Ono, Yasuhiko Kasama, Hiromi Tobita

2P-7 Encapsulation of metals by arc plasma reactor with twelve-phase alternating current discharg
○Tsugio Matsuura, Norio Maki

2P-8 Electronic Properties of Di-Scandium and Di-Scandium Carbide Endohedral Fullerene:
$S_{c2}(C_2)@C_{82}$: Comparison Between DFT and DFTB
○Yoshio Nishimoto, Stephan Irle

2P-9 Computed Structures and Relative Stabilities of $Dy_2@C_{100}$
○T. Yang, X. Zhao

2P-10 Direct observation of a Li cation inside C_{60} by the charge density analysis
○Shinobu Aoyagi, Eiji Nishibori, Ryo Kitaura, Hiroshi Okada, Takeshi Sakai, Yoshihiro Ono, Yasuhiko Kasama, Hiromi Tobita, Hisanori Shinohara, Hiroshi Sawa

2P-11 ReaxFF Simulation of Fullerene Formation in Benzene Combustion
○Hu-Jun Qian, Adri van Duin, Biswajit Saha, Keiji Morokuma, Stephan Irle

2P-12 Synthesis and Characterization of Benzene-bridged Fullerene Dimer
○Yasuhiro Ito, Jamie H. Warner, Maria del Carmen Gimenez-Lopez, Kyriakos Porfyrakis, Andrei N. Khlobystov, G. Andrew D. Briggs

2P-13 Polyhydroxylated Fullerene Salt
○Hiroshi Ueno, Toshiki Sugai, Hiroshi Moriyama

2P-14 Loading Pentapod Deca(organo)[60]fullerenes with Electron Donors: From Photophysics to Photoelectrochemical Bilayers
○Takahiko Ichiki, Yutaka Matsuo, Eiichi Nakamura

2P-15 Structure of Thin Polymerized C_{60} Coatings Formed by Electron-Beam Dispersion with Additional Electric Field Assistance
○Ihar Razanau, Tetsu Mieno, Viktor Kazachenko

2P-16 C_{60} Crystal Growth Directly between Electrodes on the Surface Treated Substrate
○Shota Kato, Kohei Kurihara, Yasunari Iio, Nobuyuki Iwata, Hiroshi Yamamoto

2P-17 Structure and electronic properties of Na-H-C_{60} compounds
○Hideyuki Ohnami, Hironori Ogata

2P-18 Structural change of Mg-doped C_{60} films along with growth temperature increasing
○Seiji Nishi, Masato Natori, Nobuaki Kojima, Masafumi Yamaguchi

2P-19 Electronic Structure of Metal-Doped C_{60} Polymers
○Tasuku Chiba, Susumu Okada

Hybrid Carbon

2P-20 Hydrogen Etching Effect of CNW Prepared in Microwave Plasma Enhanced Chemical Vapor
○Seiya Suzuki, Yoshimura Masamichi

2P-21 Notices for single molecular imaging by HR-TEM
○Yoshiko Niimi, Masanori Koshino, Eiichi Nakamura, Kazutomo Suenaga

2P-22 Magnetic Properties of Rare Earth Metal Graphite Intercalation Compounds
○Satoshi Heguri, Mototada Kobayashi

2P-23 Comparison of combustion between catalyst-supported carbon nanocoil and graphitized carbon nanocoi
○Takahiro Kawabata, Masashi Yokota, Kotaro Takimoto, Takashi Ikeda, Yoshiyuki Suda, Hirofumi Takikawa, Shinichiro Oke, Hitoshi Ue, Yoshito Umeda, Kazuki Shimizu

2P-24 Development of optical responsive carbon nanotubes cell cultured substrate
○Takao Sada, Tsuyohiko Fujigaya, Naotoshi Nakashima

Polyyne

2P-25 Synthesis of Polyyne Molecules from n-Hexane and n-Decane by Irradiation o
Intense Femtosecond Laser Pulses
Yuki Sato, ○Takeshi Kodama, Haruo Shiromaru, Joseph H. Sanderson, Tatsuya Fujino,
Yoriko Wada, Tomonari Wakabayashi, Yohji Achiba

2P-26 Optical Detection of N@C_{60} upon Recycling HPLC
○Airi Yoshikawa, Tomonari Wakabayashi

2P-27 Isotope Scrambling in the Formation of Cyanopolyyne
○Mao Saikawa, Tomonari Wakabayashi

2P-28 A Model Strusture for the Polyyne-Iodine Complex $C_{10}H_2$-I_6
○Yoriko Wada, Yasunori Kai, Tatsuhisa Kato, Tomonari Wakabayash

2P-29 Assembling Molecular Polyyne Chains in Single-Wall Carbon Nanotube
○Masashi Teshiba, Arisa Yoshimoto, Tomonari Wakabayash

2P-30 Detection and lifetime measurements of C_4H- and C_6H- metastables
Jun Matsumoto, Motoshi Goto, Yu Zama, Takuya Majima, Hajime Tanuma, Toshiyuki Azuma,
○Haruo Shiromaru, Yohji Achiba

Nanohorns

2P-31 Magnetite-Loaded Carbon Nanohorns
Michiko Irie, Jin Miyawaki, Sumio Iijima and ○Masako Yudasaka

2P-32 In Vivo Study of SWNHs with Different Sizes on Biodistribution
○Minfang Zhang, Takashi Yamaguchi, Sumio Iijima, Masako Yudasaka

2P-33 Biodistribution of Hole-Opened Caron Nanohorns
Jin Miyawaki, Minfang zhang, Sumio Iijima and○Masako Yudasaka

Candidates for the Young Scientist Poster Award

2P-34 Water-free, rapid growth of millimeter-tall single-walled carbon nanotub
○Kei Hasegawa, Suguru Noda

2P-35 Crossover from weak localization to exponential localization in conduction of metallic and semiconducting single-wall carbon nanotube buckypape
○Hiroki Udoguchi, Kazuhiro Yanagi, Satoshi Sagitani, Yugo Oshima, Taishi Takenobu,
Hiromichi Kataura, Kazuyuki Matsuda, Yutaka Maniwa

2P-36 Uniform single-layer graphene synthesis using flash-cooling CVI
○Keiichi kamon, Yasumitsu Miyata, Ryo Kitaura, Hisanori Shinohara

2P-37 Thin film transistors using unbundled pure semiconducting single-wall carbon nanotube
○Kazunari Shiozawa, Yuki Aasada, Yasumitsu Miyata, Ryo Kitaura, Yutaka Ohno,
Takashi Mizutani, Hisanori Shinohara

2P-38 Exciton and free carrier electroluminescence from a SWNT observed through simultaneous measurements of electrical conductivity and emission spectra
○Hiroyuki Wakahara , Hideyuki Maki , Tetsuya Sato, Satoru Suzuki

2P-39 Instant Implementation of CNT field emitter arrays by pulse current heatin
○Kotaro Sekiguchi, Koji Furuichi, Yosuke Shiratori, Hisashi Sugime, Suguru Noda

2P-40 Biodegradation Assessment of Fullerene Nanowhiskers using Macrophage-like Cell
○Shin-ichi Nudejima, Kun'ichi Miyazawa, Junko Okuda-Shimazaki and Akiyoshi Taniguchi

2P-41 Preparation of Metallophthalocyanine loaded Multi-walled Carbon Nanotubes for Fuel Cell Cathod
○Tsutomu Yao, Takeshi Hashishin, Jun Tamaki

2P-42 Experimentally Determined Electronic States of Isolated (n,m) HiPco & CoMoCAT Single-Walle Carbon Nanotubes
○Yasuhiko Hirana, Yasuhiko Tanaka, Yasuro Niidome, Naotoshi Nakashima

Wednesday, March 4th
Special Lectures：25 min (Presentation) + 5 min (Discussion)
General Lectures：10 min (Presentation) + 5 min (Discussion)
Poster Previews：1 min (Presentation), No Discussion

Special Lecture（9：00-9：30）

3S-5 CNT Coated Conductive Fiber “CNTEC”- Development, Applications and Risk Assessment
○Eiji Akiba

General Lecture（9：30-10：30）

Formation and Purification of Nanotubes

3-1 Early Stages in the Nucleation Process of Carbon Nanotubes: Density-Functional Tight-Bindin
Molecular
○Ying Wang, Yasuhito Ohta, HuJun Qian, Keiji Morokuma, Stephan Irle

3-2 Gas-phase and On-surface Decomposition of Ethanol in Alcohol CCVD
○Rong Xiang, Bo Hou, Erik Einarsson, Junichiro Shiomi, Shigeo Maruyama

3-3 Millimeter-tall single-walled carbon nanotube forests grown from ethano
○Hisashi Sugime, Suguru Noda

3-4 Chirality selective production of carbon nanotubes in HeN2mixed ga
○Akihito Inoue, Yasuhiro Tsuruoka, Takeshi Kodama,Toshiya Okazak ,Yohji Achiba

Coffee Break （10：30-10：45）

General Lecture（10:45-12:30）

Formation and Purification of Nanotubes

3-5 Horizontally Aligned SWNT Growth on R-cut Crystal Quart
○Hiroto Okabe, Shohei Chiashi, Junichiro Shiomi, Tadashi Sato, Shouichi Kono, Masami Terasawa
Shigeo Maruyama

3-6 Interplay of Hydrophobic and Electrostatic Interactions between Dispersants and Single-walled
Carbon Nanotubes in Water
Shin Katakura, ○Masahito Sano

Graphene

3-7 Restoration of π-bands on the graphene “buffer layer” on SiC(0001) by low temperature oxidatio
○Satoshi Oida, Fenton R. McFeely, James B. Hannon, Rudolf M. Tromp, Zhihong Chen
Yanning Sun, Damon B. Farmer and John J. Yurkas

3-8 Magnetism in Graphene Nanoribbons on Ni(111)
○Keisuke Sawada, Fumiyuki Ishii, Mineo Saito

3-9 Phase control on Magnetic State of Graphite Thin Films by Electric Fiel
○Minoru Otani, Mikito Koshino, Yoshiteru Takagi, Susumu Okada

3-10 Magnetism of Curved-Graphene and its Guest adsorption system
○Kazuyuki Takai, Tuyoshi Suzuki, Toshiaki Enoki, Hirotomo Nishihara, Takashi Kyotan

3-11 Electrode-Width Dependence of Transistor Properties of Graphen
○Ryo Nouchi, Tatsuya Saito, Katsumi Tanigaki

Lunch Time（12：30-13：45）

Special Lecture（13：45-14：15）

3S-6 A Brief Retrospective and Perspective of Graphene Researcl
○Hidefumi Hiura

Poster Preview（14：15-15：00）
Poster Session（15：00-16：20）

Endohedral Nanotubes

3P-1 Synthesis and Electrical Transport Properties of $C_{69}N$ Azafullerenes Encapsulated Single-Wallec Carbon Nanotubes
○Yongfeng Li, Toshiro kaneko, Rikizo Hatakeyama

3P-2 HR-TEM of KCl nano-crystals in single-walled carbon nanotube:
○Kaori Takai Hirose, Zheng Liu, Takeshi Saito, Kazu Suenaga

3P-3 Magnetic properties of carbon nanotubes filled with ferromagnetic meta
○Yusuke Matsui, Daijiro Hisada, Tetsuya Kaneko, Yuki Ichikawa, Hideki Sato, Yuji Fujiwara, Koichi Hata

Formation and Purification of Nanotubes

3P-4 A zigzag carbon nanotube: Growth and optical propertie:
○Yohji Achiba, Akihito Inoue, Yuuki Onishi, Takeshi Kodama, Toshiya Okazaki

3P-5 Mass-Production of Carbon Nanotubes by Semi-Continuous Fluidized-Bec
○Dong Young Kim, Hisashi Sugime, Kei Hasegawa, Toshio Osawa, Suguru Noda

3P-6 Diameter Control of SWNTs by Nano-diamond Catalys
○Shohei Chiashi, Norihiro Hiramatsu, Daisuke Takagi, Yoshikazu Homma, Shigeo Maruyama

3P-7 SWNT Growth on Al_2O_x/Co/Al_2O_x Multilayer Catalyst using Alcohol Gas Source Method in High Vacuum
○Yoshihiro Mizutani, Kuninori Sato,Takahiro Maruyama, Shigeya Naritsuka

3P-8 Change in Chirality Distribution of CoMoCAT Nanotubes Using Excimer Lase
○Masaki Hashimoto, Norio Maki, Masaaki Ashihara, Tsugio Matsuura

3P-9 Controllable yield of metallic single-walled carbon nanotubes by aerosol-assisted chemical vapor deposition
○Shinya Koike, Shunji Bandow, Yoshinori Ando

3P-10 Progress in the electrochemical cutting method of single-wall carbon nanotube
○Shigekazu Ohmori, Takeshi Saito, Bikau Shukla, Motoo Yumura and Sumio Iijima

3P-11 Effect of Buffer Layers on the Synthesis of Carbon Nanotubes by Alcohol Catalytic Chemical Vapor Deposition
○Yuki Matsuoka, Masamichi Yoshimura

3P-12 Purification of mono-dispersed single-walled carbon nanotubes made with arc-burning technique i nitrogen atmosphere
○Takashi Mizusawa, Shinzo Suzuki, Toshiya Okazaki, Yohji Achiba

3P-13 Adsorption of a Water Molecule on Graphene: Accuracy of Density Functional Methods with Localized Orbitals
○Mari Ohfuchi

3P-14 SWNT Nucleation, Growth and Healing: Insights from Density-Functional Tight-Binding Molecula Dynamics Simulations
○Alister J. Page, Stephan Irle, Keiji Morokuma

3P-15 CVD Fabrication of Thin Carbon Nanocoil with Sn/Fe Catalyst on Mesoporous Particle
○Kotaro Takimoto, Masashi Yokota, Lim Siew Ling, Yoshiyuki Suda, Hirofumi Takikawa, Hitoshi Ue, Kazuki Shimizu, Yoshito Umeda

3P-16 High-purity semiconducting single-wall carbon nanotubes separation by density gradient ultracentrifugation
○Ye Feng, Yasumitsu Miyata, Shunjiro Fujii, Kiyoto Matsuishi, Hiromichi Kataura

3P-17 Catalysts and supports for rapid growth of vertically-aligned CNTs
○Keisuke Nomura, Kei Hasegawa, Suguru Noda

3P-18 Gas-phase synthesis of SWCNTs using ferrocene and C_2H_2/CH_4 feedstocks
○Youkou Ishitsuka, Yoshikuni Sato, Toshio Osawa, Suguru Noda

3P-19 Experimental and numerical study on the effect of carbon feedstock decomposition on CVD synthesis of single-walled carbon nanotubes
○Bo Hou, Rong Xiang, Erik Einarsson, Junichiro shiomi, Akira Miyoshi, Shigeo Maruyama

3P-20 Raman Analysis with Multi Excitation Laser of Single-Walled Carbon Nanotubes Grown with Free Electron Laser Irradiation during Growth
○Keijiro Sakai, Daisuke Ishiduka, Takuya Somonura, Hiroki Takeshita, Kunihide Kaneki, Hirofumi Yajima, Nobuyuki Iwata,Hiroshi Yamamoto

3P-21 Synthesis of Carbon Nanotubes by a “Submarine”-style Substrate Heating Method
○Hiroyuki Yokoi, Hiroshi Momota, Tomohiro Iwamoto

3P-22 Effect of Catalyst Oxidation on Carbon Nanotube Growth by Low Pressure Chemical Vapor Deposition
○Tomoyuki Minami, Daiki Sawaguchi, Hideki Sato, Koichi Hata

3P-23 Influence of catalyst reduction conditions on single-walled carbon nanotube diameter
○Theerapol Thurakitseree, Erik Einarsson, Rong Xiang, Shohei Chiashi, Junichiro Shiomi, Shigeo Maruyama

3P-24 Low-temperature preparation of Carbon Nanotubes by Plasma Enhanced Chemical Vapor Deposition
○Masato Miyake, Toru Iijima, Kenneth Teo, Nalin Rupesinghe, Kazunori Horikawa, Kenjirou Onuma, Katsuyoshi Abe, Masayuki Satoh and Yasuhiko Hayashi

3P-25 Screening of Surfactants for Metallic/semiconducting Separation of Single-Wall Carbon Nanotube Using Agarose Gel
○Takeshi Tanaka, Yasuko Urabe, Hiromichi Kataura

3P-26 CVD Growth of Vertically Aligned SWNT Films Using Dimethyl Ether as the Carbon Source
○Taiki Inoue, Hiroto Okabe, Bo Hou, Shohei Chiashi, Makoto Watanabe, Junichiro Shiomi, Shigeo Maruyama

3P-27 Sorting of Single-Wall Carbon Nanotubes combined by Gel-Separation and Density-Gradient Ultracentrifugation
○Daisuke Nishide, Huaping Liu, Takeshi Tanaka, Hiromichi Kataura

3P-28 Preparation of single wall carbon nanotubes by CO_2 laser abltaion method at room temperature
○Takashi Yamaguchi, Ryo Nakanishi, Ryo Kitaura, Shunji Bandow, Masako Yudasaka, Hisanori Shinohara, Sumio Iijima

Graphene

3P-29 Carbon Spiral Helix, a Novel Nanoarchitecture Derived from Monovacancy Defects in Graphene
○Lili Liu, Xingfa Gao, Shigeru Nagase, Stephan Irle

3P-30 DFT investigation of stability of adatom adsorption on graphene
○Kengo Nakada,Akira Ishii

3P-31 Preparation and Evaluation of Graphene by Cleavage Method
○Keiichirou Matsuyama, Teppei Maeda, Nobuyuki Iwata, Hiroshi Yamamoto

3P-32 Raman spectroscopy of few-layer graphene grown on graphene flakes
○Ryota Negishi, Hiroki Hirano, Yoshihiro Kobayashi, Yasuhide Ohno, Kenzo Maehashi, Kazuhiko Matsumoto

Candidates for the Young Scientist Poster Award

3P-33 Photomodification of Fullerene Bilayer Vesicles and Control of their Membrane Permeability to Wate
○Akimitsu Narita, Koji Harano, Eiichi Nakamura

3P-34 Fabrication of transparent conductive films using carbon nanotubes encapsulating metal-nanowire
○Daeheon Choi, Ryo Kitaura, Yasumitsu Miyata, Hisanori Shinohara

3P-35 Growth control of Multi-Walled Carbon Nanotubes for fuel cel
○Shinya Kitamura, Rika Yamamoto, Takeshi Hashishin, Jun Tamaki

3P-36 Synthesis of Highly Electron Accepting [60]Fullerene Bisadduc
○Riyah S. Arastoo, Ken Kokubo, Hao Geng, Hsing-Lin Wang, Takumi Oshima, Long Y. Chiang

3P-37 Electronic transport properties of doped nanotube heterostructur
○Masahiro Sakurai, Susumu Saito

3P-38 Facile Synthesis of Water-Insoluble Lowly Hydroxylated Fullerenol and its Nanoparticle Propert
○Naoki Kobayashi, Ken Kokubo, Takumi Oshima

3P-39 Highly Localized Photoelectrochemical Reaction of an Isolated Single-Walled Carbon Nanotube a
Metal Nanogap
○Mai Takase, Hideki Nabika, Satoshi Yasuda, Kei Murakoshi

3P-40 Preparation of TiO2-filled MWNTs
○Hidehiro Ikenoko, Takeshi Hashishin, Jun Tamaki

3P-41 Stark effect of SWNT photoluminescence induced by external electric fiel
○Yuji Kawai, Hideyuki Maki, Tetsuya Sato