

Poster Presentations

All posters will be displayed from opening on 7th through lunch time on 10th.

For Evening Poster Sessions, during 19:30-21:30 in June 7 and 8,

Odd-numbered posters should be presented during 19:30-20:30

and even-numbered posters should be presented during 20:30-21:30 for better access to the presenter.

- P1 **Enrichment of Armchair Carbon Nanotubes via Density Gradient Ultracentrifugation: Raman Spectroscopy Evidence**
Erik H. Haroz, William D. Rice, Benjamin Y. Lu, Robert H. Hauge, Saunab Ghosh, R. Bruce Weisman, Pavel Nikolaev, Sivaram Arepalli, Donny Magana, Stephen K. Doorn, and Junichiro Kono
- P2 **Quantitative Purity Evaluation of Single-Wall Carbon Nanotubes using Resonance Raman Spectroscopy**
Daisuke Nishide, Yasumitsu Miyata, Kazuhiro Yanagi, Takeshi Tanaka, and Hiromichi Kataura
- P3 **Optical Active Single-Walled Carbon Nanotubes**
Naoki Komatsu, Xiaobin Peng, Feng Wang, Ajoy Bauri, A. F. M. M. Rahman, Takahide Kimura, and Atsuhiko Osuka
- P4 **Optical characterization of Length-Separated DNA-Wrapped Double-Wall Carbon Nanotubes**
Yuki Asada, Shota Kuwahara, Toshiki Sugai, Ryo Kitaura, and Hisanori Shinohara
- P5 **Resonance Raman Spectra of Optical Purified (6,5) Nanotubes Sorted by Density Gradient Ultracentrifugation**
Pei Zhao, Theerapol Thurakitserree, Erik Einarsson, Junichiro Shiomi, Shigeo Maruyama
- P6 **Diameter distribution analysis of sorted double wall carbon nanotubes by optical absorption spectroscopy and electron transmission microscopy.**
Romain Fleurier, Jean-Sebastien Lauret, Emmanuel Flahaut, Annick Loiseau
- P7 **Polarized Raman spectroscopy on vertically aligned single-walled carbon nanotubes**
Zhengyi Zhang, Yoichi Murakami, Erik Einarsson, Yuhei Miyachi and Shigeo Maruyama
- P8 **High-Precision Selective Deposition of Catalyst for Facile Localized Growth of Single Walled Carbon Nanotubes**
Rong Xiang, Tianzhun Wu, Erik Einarsson, Yuji Suzuki, Yoichi Murakami, Junichiro Shiomi, Shigeo Maruyama
- P9 **Raman and optical spectroscopic analysis of single walled carbon nanotubes synthesized by an industrial scale aerosol reactor**
Ying Tian, Albert G Nasibulin, Hua Jiang, Timur Nikitin, Brad Aitchison, Jan V Pfaler, Leonid Khriachtchev, Jussi O Sarkkinen, David P Brown, Esko I Kauppinen
- P10 **Effects of Bundling and Diameter on the UV Optical Absorption of Single-Wall Carbon Nanotubes**
Takeshi Saito, Shigekazu Ohmori, Bikau Shukla, Motoo Yumura and Sumio Iijima
- P11 **Fermi energy dependence of radial breathing mode in metallic single-wall carbon nanotubes**
Jin Sung Park, Kenich Sasaki, Riichiro Saito, Gene Dresselhaus, Mildred S. Dresselhaus
- P12 **Exciton energy Kataura plot and excitonic effect of single wall carbon nanotubes**
Kentarō Sato, Riichiro Saito and Shigeo Maruyama
- P13 **Pressure-assisted tip-enhanced Raman imaging of carbon nanotubes at the spatial resolution of a few nanometres**
Taka-aki Yano, Prabhat Verma, Yuika Saito, Taro Ichimura and Satoshi Kawata
- P14 **Resonance Raman scattering of hole-doped metallic and semiconducting carbon nanotubes**
Yasumitsu Miyata, Kazuhiro Yanagi, Yutaka Maniwa, Hisanori Shinohara and Hiromichi Kataura
- P15 **Coherent Phonon Dynamics in Highly Aligned Single-Walled Carbon Nanotubes**
Layla G. Booshehri, Erik H. Haroz, Junichiro Kono, Cary L. Pint, Robert H. Hauge, Yong-sik Lim, Ji-Hee Kim, Ki-Ju Yee
- P16 **Photoluminescence Observation of Water Encapsulation in an individual Single-walled Carbon Nanotube**
Shohei Chiashi, Tataki Hanashima, Ryota Mitobe, Yoshikazu Homma
- P17 **Intrinsic and Extrinsic Factors which Affects the Optical Properties of Individual Single-Walled Carbon Nanotubes**
Juan G. Duque, Stephen Door, Howard K. Schmidt and Matteo Pasquali Laurent Cognet and Brahim Lounis
- P18 **Electrochemistry and Self-Assembly of Complex Single-Walled Carbon Nanotube (SWNT) Nanostructures**
Juan G. Duque, Laurent Cognet, Howard K. Schmidt, Matteo Pasquali

- P19 **SEM Observation Effect on Photoluminescence Spectra from Single-Walled Carbon Nanotubes**
Kotaro Nagatsu, Tomohito Chokan, Takeshi Kitajo, Shohei Chiashi, Yoshikazu Homma
- P20 **Fast Band-Gap Tuning of Carbon Nanotube with Repetitious Uniaxial Strain**
Hideyuki Maki and Tetsuya Sato
- P21 **An Optical Study of a Single Carbon Nanotube**
Xu Wang, M. Hadjipanayi, R. J. Nicholas and R. A. Taylor
- P22 **Photoluminescence saturation in an air-suspended SWCNT**
Y.-F. Xiao, T.Q. Nhan, M.W.B. Wilson, and James M. Fraser
- P23 **Symmetry-Induced Exciton Distribution between the Bright and Dark States in Single Carbon Nanotubes**
Ryusuke Matsunaga, Kazunari Matsuda, and Yoshihiko Kanemitsu
- P24 **Exciton Dynamics in Carbon Nanotubes and Nonlinear Dependence of Photoluminescence Intensity on Pump Power**
Maria Hilczner and M. Tachiya
- P25 **Exciton Dephasing Dynamics in Single-Walled Carbon Nanotubes**
M. W. Graham, Y.-Z. Ma, A. A. Green, M. C. Hersam and G. R. Fleming
- P26 **Exciton Radiative Lifetimes and Coherence Lengths in Single-Walled Carbon Nanotubes**
Yuhei Miyauchi, Ryusuke Matsunaga, Hideki Hirori, Kazunari Matsuda, and Yoshihiko Kanemitsu
- P27 **Excitons in carbon nanotube within effective-mass approximation**
Tsuneya Ando and Seiji Uryu
- P28 **Inter-Valley Mixing of Carbon Nanotube Excitons by a Short-Range Impurity**
Yuh Tomio and Hidekatsu Suzuura
- P29 **Theory of 1D Exciton and its Application to SWNT**
Seiji Sakoda and Madoka Tokumoto
- P30 **Reflectance spectra of individual metallic single walled carbon nanotubes.**
Hualing Zeng, Hongbo Zhao, Fu-Chun Zhang, and Xiaodong Cui
- P31 **Magneto-optical Spectroscopy of Metallic Single-Walled Carbon Nanotubes**
T. A. Searles, J. Kono, J. A. Fagan, Erik K. Hobbie, Y. Imanaka
- P32 **Anisotropic Terahertz Response of Aligned Carbon Nanotubes**
Lei Ren, Layla G. Booshehri, William D. Rice, Xiangfeng Wang, David J. Hilton, Junichiro Kono, Cary L. Pint, Robert H. Hauge, Aleksander K. Wojcik, Alexey A. Belyanin, Yoshiaki Takemoto, Kei Takeya, Iwao Kawayama, and Masayoshi Tonouchi
- P33 **Finite-length effects on optical absorption in metallic carbon nanotubes**
Takeshi Nakanishi and Tsuneya Ando
- P34 **Resonant Optical Forces for Nanotube Aggregation in Solution**
Thomas Rodgers, Satoru Shoji, and Satoshi Kawata
- P35 **Molecular physisorption at the groove and interior of single-walled carbon nanotubes**
S. Iwata, S. Ogura, S. Lee, K. Fukutani, Y. Sato and K. Tohji
- P36 **Efficient dissociation of carbon nanotube excitons in organic semiconductor / carbon nanotube heterojunctions for photovoltaics and ultrabroadband photodetection**
Michael S. Arnold, Jeramy D. Zimmerman, Christopher K. Renshaw, Xin Xu¹, Richard R. Lunt, Christine M. Austin, and Stephen R. Forrest