

DETAILD PROGRAM

Monday, May 31, 2010		
Room : 3F 300 (Convention Hall)		
08:40-09:00	Opening Remarks Chair : Kazuaki Sakoda	
08:40-08:50	Welcome Address <u>Kiyoshi Asakawa</u> , Conference Co-chair	
08:50-09:00	<u>Tetsuji Noda</u> , Vice President of National Institute for Materials Science	
Monday-Opening Lectures Chair : Joseph W. Haus and Qihuang Gong		
09:00-10:00	Keynote Lecture 1 KN-1 Nanophotonics: Dressed photon technology for innovative devices, fabrications, and systems <u>M. Ohtsu</u> The University of Tokyo, Japan - 1 -	
10:00-10:30	Coffee Break	
10:30-11:30	Keynote Lecture 2 KN-2 Nanophotonics: Nanoscale Control of Excitation Dynamics for New Applications in Healthcare and Energy <u>Paras N. Prasad</u> The State University of New York at Buffalo, USA - 2 -	
11:30-12:15	Plenary Lecture 1 PL-1 Subwavelength Photonics and Nanoimprint Technology – A Unique Path to Engineering New Optical Materials and Devices <u>Stephen Y. Chou</u> Princeton University, USA - 3 -	
12:15-13:30	Lunch	
Room : 3F 300 (Convention Hall)		Room : 1F 102
13:30-14:30	M-P-1 : Nanogrowth-fabrication 1 Chair : Stephen Y. Chou	M-P-3 : Materials for High-efficiency Nanophotonics 1 Chair : Yukihiko Harada
13:30-14:00	IN-01 III-V Semiconductor Nanowires for Optoelectronics Applications <u>C. Jagadish</u> The Australian National University, Australia - 8 -	IN-03 Recent progress on high-efficiency quantum dot solar cells <u>Shuheii Yagi</u> and Yoshitaka Okada Saitama University, Japan - 10 -
14:00-14:30	IN-02 Room-temperature nanoimprint using HSQ and its application <u>Shinji Matsui</u> University of Hyogo, Japan - 9 -	IN-04 Assembled quantum dots in silica glass with bright photoluminescence <u>N. Murase</u> National Institute of Advanced Industrial Science and Technology, Japan - 11 -
14:30-14:45	Coffee Break	
14:45-16:15	M-P-2 : Nanogrowth-fabrication 2 Chair : Chennupati Jagadish and Shinji Matsui	M-P-4 : Materials for High-efficiency Nanophotonics 2 Chair : Hilmi Volkan Demir and Shuheii Yagi
14:45-15:00	O-01 Imprint-Mold-Cleaning by Vacuum Ultraviolet Light <u>M. Nakao</u> , M. Yamaguchi and S. Yabu National Institute of Information and Communications Technology, Japan - 40 -	O-07 Nanochain and nanosphere through organosilane mediated gold nanoparticles assembly <u>M. Khorasaninejad</u> and S. S. Saini University of Waterloo, Canada - 46 -
15:00-15:15	O-02 Wafer-Scale Highly Ordered Porous Alumina on Substrates <u>T. S. Kustandi</u> , W. W. Loh, H. Gao and H. Y. Low Agency for Science, Technology and Research (A*STAR), Singapore - 41 -	O-08 Optical property of erbium/bismuth co-doped zeolites <u>Zhenhua Bai</u> , Hong-Tao Sun, Takashi Hasegawa, Minoru Fujii, Fumiaki Shimaoka, Yuji Miwa, Minoru Mizuhata and Shinji Hayashi Kobe University, Japan - 47 -
15:15-15:30	O-03 Formation of reversible micro-structures in lithium niobate by femtosecond direct laser writing technique <u>V. Mizeikis</u> , W. Inami and Y. Kawata Shizuoka University, Japan - 42 -	O-09 Characters of MgX (X = Te, Se, S and O) clusters: conformations, bonding characters, absorption spectra and Orbitals <u>Shuhong Xu</u> , Chunlei Wang, Yiping Cui Southeast University, China - 48 -
15:30-15:45	O-04 Surface Patterning using Gold and Dielectric Nanoparticles Excited by Femtosecond Laser <u>M. Terakawa</u> and M. Obara Keio University, Japan - 43 -	O-10 On magneto-optical properties of the plasmonic heterostructures <u>V. I. Belotelov</u> , A. N. Kalish, V. A. Kotov, A. K. Zvezdin, I. A. Akimov and M. Bayer M.V. Lomonosov Moscow State University, Russia - 49 -

	Room : 3F 300 (Convention Hall)	Room : 1F 102
15:45-16:00	O-05 A CAD-integrated Approach for Micro Manufacturing with the Two-photon Polymerization Technique <u>Chih-Lang Lin</u> , Chin-Te Lin, Chao-Yaug Liao, Yue-Lun Yang, Patrice L. Baldeck and Tien-Tung Chung <i>National Taiwan University, Taiwan</i> - 44 -	O-11 Ultra-short optical pulse generation with single layer graphene <u>C. C. Lee</u> , G. Acosta, J. S. Bunch and T. R. Schibli <i>University of Colorado, USA</i> - 50 -
16:00-16:15	O-06 Fabrication of the Optical Fiber Incorporated with Zinc Oxide Nano-particles and its Optical Nonlinearity <u>Seongmin Ju</u> , Pramod R. Watekar, Seongmook Jeong, Youngwoong Kim and Won-Taek Han <i>Gwangju Institute of Science and Technology, Korea</i> - 45 -	O-12 Reliability Study of InGaN/GaN MQWs LEDs with different growth parameters <u>K. K. Leung</u> , W. K. Fong and C. Surya <i>The Hong Kong Polytechnic University, China</i> - 51 -
16:15-16:30	Coffee Break	
	Room : 3F 303, 304	Room : 1F 102
16:30-18:00	M-P-5 : Poster Session A	M-P-6 : Tutorial Course A
16:30-18:00	<p style="text-align: center;">P-A01 ~ P-A90</p> <p style="text-align: center;">- 101 ~ 189 -</p> <p style="text-align: center;">Room: open till 20:00</p>	<p style="text-align: center;">TU-1 Nanophotonics</p> <p style="text-align: center;"><u>Joseph W. Haus</u> and <u>Qiwen Zhan</u> <i>University of Dayton, USA</i></p>

Tuesday, June 1, 2010

Room : 3F 300 (Convention Hall)	
08:30-10:00	Tuesday-Opening Lectures Chair : Qiwen Zhan and Susumu Noda
08:30-09:15	<p style="text-align: center;">PL-2 Sub-wavelength Photonics: from light manipulation to quantum levitation at the nanoscale <u>Federiko Capasso</u> <i>Harvard University, USA</i> - 4 -</p>
09:15-10:00	<p style="text-align: center;">PL-3 Dispersion-engineered photonic crystal waveguides for enhanced light-matter interaction <u>Thomas F. Krauss</u> <i>University of St Andrews, UK</i> - 5 -</p>
10:00-10:30	Coffee Break
Room : 3F 300 (Convention Hall)	
10:30-12:15	Tu-A-1 : Photonic Crystals / Quantum Dots Chair : Thomas F. Krauss and Shawn-Yu Lin
10:30-11:00	<p style="text-align: center;">IN-05 Recent Progress of Manipulation of Photons by Photonic Crystals <u>S. Noda</u> <i>Kyoto University, Japan</i> - 12 -</p>
11:00-11:30	<p style="text-align: center;">IN-06 Emission properties of excitons strongly localized to nitrogen pairs in GaAs <u>Yukihiko Harada</u> and Takashi Kita <i>Kobe University, Japan</i> - 13 -</p>
11:30-11:45	<p style="text-align: center;">O-13 Angular emission pattern of photonic crystal micro-cavities <u>M. Abbarchi</u>, F. Intonti, F. Riboli, S. Vignolini, A. Vinattieri, L. Balet, L. H. Li, A. Gerardino, M. Francardi, A. Fiore and M. Gurioli <i>National Institute for Materials Science, Japan</i> - 52 -</p>
11:45-12:00	<p style="text-align: center;">O-14 Room temperature lasing behaviour at 1.55 μm on high quality factor ($Q > 55000$) InP-based photonic crystal microcavities with quantum wires <u>L. J. Martínez</u>, B. Alén, I. Prieto, D. Fuster, Y. González, L. González, M. L. Dotor, L. E. Muñoz, M. Kaldirim and P. A. Postigo <i>Instituto de Microelectrónica de Madrid (IMM-CNM-CSIC), Spain</i> - 53 -</p>
12:00-12:15	<p style="text-align: center;">O-15 Plasmonic Waveguiding in Nano-metallic-wire-filled Photonic Crystal Fiber Taper <u>Z. X. Zhang</u>, M. L. Hu, K. T. Chan and Q. Y. Wang <i>The Chinese University of Hong Kong, China</i> - 54 -</p>
12:15-13:30	Lunch
Room : 3F 300 (Convention Hall)	
13:30-14:30	Tu-P-1 : Plasmon Propagation / Plasmonic Array 1 Chair : Hiroaki Misawa
13:30-14:00	<p style="text-align: center;">IN-09 Architectural nanophotonics and its impact on energy conversion <u>S. Y. Lin</u> and M.-L. Hsieh <i>Rensselaer Polytechnique Institute, USA</i> - 16 -</p>
14:00-14:30	<p style="text-align: center;">IN-10 Low-dimensional plasmons in metallic atom sheets, atom chains and nano-sheets <u>T. Nagao</u>, G. Han, C. Kubber, S. Yaginuma, C. Liu, C. Hoang, A. Pucci, D. Sanchez-Portal, S. Silkin, T. Inaoka <i>National Institute for Materials Science, Japan</i> - 17 -</p>
14:30-14:45	Coffee Break
Room : 1F 102	
10:30-12:15	Tu-A-2 : Green Nanomaterials Chair : Arup Neogi and Masayuki Futamata
10:30-11:00	<p style="text-align: center;">IN-07 H₂ evolution from water by GaN photocatalyst <u>Kazuhiro Ohkawa</u> <i>Tokyo University of Science, Japan</i> - 14 -</p>
11:00-11:30	<p style="text-align: center;">IN-08 Green nanophotonics to combat climate change <u>H. V. Demir</u> <i>Bilkent University, Turkey</i> - 15 -</p>
11:30-11:45	<p style="text-align: center;">O-16 Promotion of methane steam reforming under spectrally controlled irradiated thermal radiation <u>Y. Maegami</u>, F. Iguchi and H. Yugami <i>Tohoku University, Japan</i> - 55 -</p>
11:45-12:00	<p style="text-align: center;">O-17 Direct Nano-Bio Energy Transfer in Novel Biosensing Electrodes <u>M. Griep</u>, C. Friedrich and S. Karna <i>U. S. Army Research Laboratory, USA</i> - 56 -</p>
12:00-12:15	<p style="text-align: center;">O-18 High Efficiency Light Emitters and Receivers using Nanostructure- controlled Surface Plasmon Coupling <u>K. Okamoto</u>, R. Bardoux and Y. Kawakami <i>Kyoto University, Japan</i> - 57 -</p>
12:15-13:30	Lunch
Room : 1F 102	
13:30-14:30	Tu-P-3 : Nanosensing / Biosensing 1 Chair : Norio Murase
13:30-14:00	<p style="text-align: center;">IN-11 Single nanoparticle detection with high-Q whispering gallery resonator <u>Yun-Feng Xiao</u> <i>Peking University, China</i> - 18 -</p>
14:00-14:30	<p style="text-align: center;">IN-12 Nanoplasmonics for Biosensing <u>A. V. Kabashin</u> <i>Université de Méditerranée, France</i> - 19 -</p>
14:30-14:45	Coffee Break

	Room : 3F 300 (Convention Hall)	Room : 1F 102
14:45-16:15	Tu-P-2 : Plasmon Propagation / Plasmonic Array 2 <i>Chair : Oliver J. F. Martin and Hideki Miyazaki</i>	Tu-P-4 : Nanosensing / Biosensing 2 <i>Chair : Yun-Feng Xiao and Andrei V. Kabashin</i>
14:45-15:00	O-19 Directional and Polarization Properties of a Plasmonic Cross Nanoantenna <u>Dinesh Kumar V.</u> <i>Indian Institute of Information Technology Design and Manufacturing, India</i> - 58 -	O-25 SERS performance of silver nanoparticle patterns by masked ion-exchange process <u>Ya Chen</u> , Janne Jaakola, Antti Säynätjoki, Ari Tervonen and Seppo Honkanen <i>Aalto University, Finland</i> - 64 -
15:00-15:15	O-20 Plasmonic filters for snapshot infrared multispectral imaging <u>G. Vincent</u> , S. Collin, R. Haidar , S. Rommeluere, N. Bardou and J.-L. Pelouard <i>The French aerospace lab, France</i> - 59 -	O-26 Intracellular pH Sensing in Cells Using Fluorescence Lifetime Imaging of Fluorescent Proteins <u>T. Nakabayashi</u> , S. Oshita, R. Sumikawa, F. Sun, M. Kinjo and N. Ohta <i>Hokkaido University, Japan</i> - 65 -
15:15-15:30	O-21 Comparisons of Surface Plasmon Sensitivities in Gold Nanostructures Using a Multispectral Analysis <u>Kuang-Li Lee</u> and Pei-Kuen Wei <i>Research Center for Applied Sciences, Academia Sinica, Taiwan</i> - 60 -	O-27 SERS-based aqueous immunoassay realized with immune silica nanoparticles <u>C. Y. Song</u> , Z. Y. Wang, J. Yang, R. H. Zhang, H. Wu and Y. P. Cui <i>Southeast University, China</i> - 66 -
15:30-15:45	O-22 Super-Periodic Nanohole Array for Integrated Surface Plasmon Resonance Sensor <u>Junpeng Guo</u> , Hai Sheng Leong, Boyang Zhang, Yongbin Lin, Robert G. Lindquist and David J. Brady <i>University of Alabama in Huntsville, USA</i> - 61 -	O-28 Optical Assessment of the Intracellular "Nano" Organelles –The Mitochondria in Health and Disease <u>A. Mavevsky</u> <i>Bar-Ilan University, Israel</i> - 67 -
15:45-16:00	O-23 Polarization-Analyzing Image Sensor in 65nm CMOS Process <u>S. Shishido</u> , T. Noda, K. Sasagawa, T. Tokuda and J. Ohta <i>Nara Institute of Science and Technology, Japan</i> - 62 -	O-29 Fabrication of Au nanorings and their application to image quality improvement through localized surface plasmon resonance in optical coherence tomography <u>Hung-Yu Tseng</u> , Cheng-Kuang Lee, Shou-Yen Wu, Ting-Ta Chi, Kai-Min Yang, Jyh-Yang Wang, Yean-Woei Kiang, C. C. Yang and Meng-Tsan Tsai <i>National Taiwan University, Taiwan</i> - 68 -
16:00-16:15	O-24 Strong non-resonant photoluminescence enhancement in InGaN/GaN quantum wells with embedded Au nanocrystals <u>A. A. Krokhin</u> , A. Llopis, J. Lin, S. M. S. Pereira, T. Trindade, M. A. Martins, I. M. Watson and A. Neogi <i>University of North Texas, USA</i> - 63 -	O-30 Optical Properties of ZnO Nanoparticles Capped by Polyethylene Glycol S. Tachikawa, A. Noguchi, M. Hara, O. Odawara and <u>H. Wada</u> <i>Tokyo Institute of Technology, Japan</i> - 69 -
16:15-16:30	Coffee Break	
	Room : 3F 303, 304	Room : 1F 102
16:30-18 :00	Tu-P-5 : Poster Session B	Tu-P-6 : Tutorial Course B
16:30-18:00	P-B01 ~ P-B90 - 190 ~ 278 - Room: open till 20:00	TU-2 Nanostructures for Photovoltaics <u>Jiangeng Xue</u> <i>University of Florida, USA</i>

Wednesday, June 2, 2010

Room : 3F 300 (Convention Hall)	
08:30-10:00	Wednesday-Opening Lectures <i>Chair : Kazuaki Sakoda and Yiping Cui</i>
08:30-09:15	Plenary Lecture 4 PL-4 Nanoscale Nonlinear Optics C.Sibilia, A. Benedetti, A. Belardini, M. Centini, MC Larciprete, M. Bertolotti <i>Universita' degli Studi di Roma La Sapienza, Italy</i> - 6 -
09:15-10:00	Plenary Lecture 5 PL-5 Achieving super-resolution in photolithography J. T. Fourkas, L. Li, M. Stocker, R. R. Gattass, E. Gershgoren and H. Hwang <i>University of Maryland, USA</i> - 7 -
10:00-10:30	Coffee Break
Room : 3F 300 (Convention Hall)	
W-A-1 : Plasmon Resonance / SERS	Room : 1F 102
Chair : Xiudong Sun and Tadaaki Nagao	
W-A-1 : Plasmon Resonance / SERS	W-A-2 : Nanocharacterization
Chair : John T. Fourkas and Xing Zhu	
10:30-11:00	IN-13 Plasmon Nano-optics: Harnessing Light and Heat at the Nanoscale for Biosciences <u>R. Quidant</u> <i>ICFO-Institut de Ciencies Fotoniques, Spain</i> - 20 -
11:00-11:30	IN-14 Photochemistry on Nanoengineered Gold Structures <u>H. Misawa</u> , K. Ueno, Y. Nishijima and Y. Yokota <i>Hokkaido University, Japan</i> - 21 -
11:30-11:45	O-31 Closely adjacent Ag nanoparticles formed by cationic dyes yielding enormous SERS activity <u>M. Futamata</u> , Y. Yu, T. Yanatori and T. Kokubun <i>Saitama University, Japan</i> - 70 -
11:45-12:00	O-32 Demonstration of strong localization of surface enhanced Raman scattering on individual symmetry-reduce metallic nanoparticles <u>J. Ye</u> , C. Chen, L. Lagae, G. Maes, G. Borghs and P. Van Dorpe <i>IMEC, Belgium</i> - 71 -
12:00-12:15	O-33 Surface enhanced Raman scattering spectra affected by the refractive index of media around single Ag nanoparticle dimmers <u>Tamitake Itoh</u> , Ken-ichi Yoshida, Asudevanpillai Biju, Mitsuru Ishikawa and Yukihiro Ozaki <i>National Institute of Advanced Industrial Science and Technology, Japan</i> - 72 -
12:15-13:30	Lunch
Room : 3F 300 (Convention Hall)	
W-P-1 : Plasmonic Nanoantenna and Nanowaveguide	Room : 1F 102
Chair : Markus Lippitz and Hon Ki Tsang	
W-P-1 : Plasmonic Nanoantenna and Nanowaveguide	W-P-2 : Optical Control / Plasmon Control
Chair : Arkadii Krokhin and Koichi Okamoto	
13:30-14:00	IN-17 Controlling light at the nanoscale with plasmonic antennas: applications for sensing and trapping <u>Olivier J. F. Martin</u> <i>Swiss Federal Institute of Technology Lausanne (EPFL), Switzerland</i> - 24 -
14:00-14:30	IN-18 Dielectric-loaded surface plasmon-polariton nanowaveguides fabricated by two-photon polymerization <u>Yan Li</u> , Zhaopei Liu, Haibo Cui, Hao Luo, Hong Yang, Qihuang Gong <i>Peking University, China</i> - 25 -
14:30-14:45	O-37 Surface Plasmon Polariton Enhancement in Ag Nanowire-Nanoantenna Optical Circuits <u>Zhe-yu Fang</u> , Chen-fang Lin, Shan Huang and Xing Zhu <i>Peking University, China</i> - 76 -
	IN-19 Spiral plasmonic lens as a miniature circular polarization analyzer Weibin Chen, Zhi Wu, Don C. Abeysinghe, Robert L. Nelson and <u>Qiwen Zhan</u> <i>University of Dayton, USA</i> - 26 -
	IN-20 Coherent control of spontaneous emission of multi-level atom in artificial micro-nanostructured system <u>Xiudong Sun</u> , Bing Zhang, and Xiangqian Jiang <i>Harbin Institute of Technology, China</i> - 27 -
	O-42 Wavefront Control Using Spatially Modulated Aperture Arrays in Metal Films <u>L. Lin</u> , X. M. Goh and A. Roberts <i>University of Melborn, Australia</i> - 81 -

	Room : 3F 300 (Convention Hall)	Room : 1F 102
14:45-15:00	O-38 Modal Characteristics of Plasmonic Nanostrip Waveguides and Their Functional Devices <u>Hyun-Shik Lee</u> , Jun-Hwa Song and El-Hang Lee <i>Inha University, Korea</i> - 77 -	O-43 Tuning of Surface Plasmon Resonance Wavelengths by Structural Control of Inorganic Nanoparticles <u>T. Teranishi</u> , C. Li, M. Kanehara and S. Gwo <i>Univeristy of Tsukuba, Japan</i> - 82 -
15:00-15:15	O-39 Hybrid plasmonic waveguide in multilayer metallic-dielectric cylindrical nanostructure <u>Ying Gu</u> , Xiaoyong Hu, Baoqing Sun, Limin Tong and Qihuang Gong <i>Peking University, China</i> - 78 -	O-44 Colloidal nanoparticle ensembles trapped by a tightly focused laser beams with linear and radial polarizations <u>H. Daniel</u> , Ou-Yang, Joseph Junio, M. T. Wei, Yi Hu, Jack Ng and Qiwen Zhan <i>Lehigh University, USA</i> - 83 -
15:15-15:30	O-40 Metal-nanoshell/quantum-dot array waveguides with compensated loss <u>P. Holmström</u> , L. Thylén, and A. Bratkovsky <i>Royal Institute of Technology (KTH), Sweden</i> - 79 -	O-45 Light localization and delocalization in two-dimensional array of cavity-containing metallic nanoparticles <u>Z. L. Wang</u> , C. J. Tang, Z. Chen, H. Dong, P. Zhan and N. B. Ming <i>Nanjing University, China</i> - 84 -
15:30-15:45	O-41 Plasmonic Waveguide Filters Based on Tunneling Effects <u>Peng-Hsiao Lee</u> and Yung-Chiang Lan <i>National Cheng Kung University, China</i> - 80 -	O-46 Observation of higher band gap solitons in 2D photonic lattices <u>Daohong Song</u> , Cibo Lou, Jingjun Xu and Zhigang Chen <i>Nankai University, China</i> -85 -
15:45-16:15	Coffee Break	
	Room : 3F 300 (Convention Hall)	Room : 1F 102
16:15-17:45	W-P- 3 : Integrated Nanophotonics <i>Chair : Yan Li and Yoshimasa Sugimoto</i>	W-P-4 : SNOM Technology <i>Chair : Rainer Heintzmann and Yoichi Uehara</i>
16:15-16:45	IN-21 Carbon Nanotube Nonlinear Photonics <u>Y. Sakakibara</u> <i>National Institute of Advanced Industrial Science and Technology, Japan</i> - 28 -	IN-23 Characterization of Plasmonic Nanostructures by Using Scanning Near-field Optical Microscopy <u>X. Zhu</u> , Z. Y. Fang, S. Huang and F. Lin <i>Peking University, China</i> - 30 -
16:45-17:15	IN-22 Silicon nanophotonic waveguide devices <u>H. K. Tsang</u> , X. Chen, L. Xu, C.Y. Wong, S. M. G. Lo, K. Y. Fung, C. Li <i>The Chinese University of Hong Kong, China</i> - 29 -	IN-24 The electro-magnetic nature of light at the nanoscale <u>D. van Oosten</u> , M. Burrelli, and L. (Kobus) Kuipers <i>FOM Institute AMOLF, The Netherlands</i> - 31 -
17:15-17:30	O-47 Hybrid III-V Photonic Crystal wire cavity Laser on Silicon Wire <u>F. Raineri</u> , Y. Halioua, A. Bazin, T. J. Karle, P. Monnier, I. Sagnes, G. Roelkens and R. Raj <i>Laboratoire de Photonique et de Nanostructures, (CNRS-UPR20), France</i> - 86 -	O-49 Nanoptical Characterization of Plasmonic Nanostructures and Devices with Single and Multiprobe NSOM <u>A. Lewis</u> <i>The Hebrew University of Jerusalem, Israel</i> - 88 -
17:30-17:45	O-48 Designing plasmonic circuits for controlling light at the nanoscale <u>T. J. Davis</u> , D. E. Gómez and K. C. Vernon <i>CSIRO Materials Science and Engineering, Australia</i> - 87 -	O-50 Mapping of quantum-Hall edge channels by a dilution-refrigerator based near-field scanning optical microscope <u>H. Ito</u> , K. Furuya, Y. Shibata, Y. Ootuka, S. Nomura, S. Kashiwaya, M. Yamaguchi, H. Tamura and T. Akazaki <i>University of Tsukuba , Japan</i> - 89 -

18:30-20:30	Conference Banquet (Hotel Grand Shinonome)
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Thursday, June 3, 2010

Room : 3F 300 (Convention Hall)		Room : 4F 405	
Th-A-1 : THz / Metamaterials Chair : Hong Chen and Didier Felbacq		Th-A-3 : Solar Cells 1 Chair : Kijung Yong and Liyuan Han	
08:30-09:00	IN-25 Active Terahertz Nanoresonators <u>D. S. Kim</u> , Minah Seo, J. S. Kyoung, H. R. Park, H. S. Kim, K. J. Ahn, S. M. Koo, N. K. Park, B. J. Kim and H. T. Kim <i>Seoul National University, Korea</i> - 32 -	IN-29 Hybrid Photovoltaic Cells based Conjugated Polymers and CdSe Nanoparticles <u>Jiangeng Xue</u> , Renjia Zhou, Lei Qian, Ying Zheng, Jihua Yang, Aiwei Tang, and Paul H. Holloway <i>University of Florida, USA</i> - 36 -	
09:00-09:30	IN-26 Fractal plasmonic metamaterials for subwavelength imaging and perfect absorbing <u>Lei Zhou</u> <i>Fudan University, China</i> - 33 -	IN-30 Development of semiconductor quantum dot sensitized solar cells by controlling interfacial electron transfer kinetics <u>Y. Tachibana</u> <i>Osaka University, Japan</i> - 37 -	
09:30-09:45	O-51 Disordered terahertz metamaterials <u>Ranjan Singh</u> , Xinchao Lu, Jianqiang Gu, Zhen Tian and Weili Zhang <i>Oklahoma State University, USA</i> - 90 -	O-56 Efficient solid-state dye-sensitized solar cells based on a high molar extinction coefficient metal free sensitizer <u>Soo-Jin Moon</u> , Shaik M. Zakeeruddin, Peng Wang and Michael Grätzel <i>Swiss Federal Institute of Technology, Switzerland</i> - 95 -	
09:45-10:00	O-52 Terahertz current oscillation and chaotic dynamics in carbon nanotubes <u>C. Wang</u> and J. C. Cao <i>Shanghai Institute of Microsystem and Information Technology, CAS, China</i> - 91 -	O-57 Organic Photovoltaics Based on Charge Transfer Transitions of Surface Complexes Formed of TiO2 and TCNQ Derivatives <u>J. Fujisawa</u> , N. Honda, Y. Sanehira, J. Nakazaki, S. Uchida, Y. Kubo and H. Segawa <i>The University of Tokyo, Japan</i> - 96 -	
10:00-10:30	Coffee Break		
Room : 3F 300 (Convention Hall)		Room : 4F 405	
Th-A-2 : Metamaterials Chair : Dai-Sik Kim and Lei Zhou		Th-A-4 : Solar Cells 2 Chair : Katsuhiko Akimoto and Yasuhiro Tachibana	
10:30-11:00	IN-27 Ultrafast spectroscopy of single plasmonic nanostructures: Nanoantennas for quantum emitters and nanomechanics <u>M. Lippitz</u> <i>Max-Planck-Institute for Solid State Research, Germany</i> - 34 -	IN-31 Fabrication of heterostructured ZnO nanowires and applications: photochemical energy conversion and wettability control <u>K. Yong</u> <i>Pohang University of Science and Technology, Korea</i> - 38 -	
11:00-11:30	IN-28 Optical metamaterials based on multilayer dielectric structures Yong Sun, Chunhua Xue, Jiyong Kuo, Guiqing Du, Haitao Jiang and <u>Hong Chen</u> <i>Tongji University, China</i> - 35 -	IN-32 Dye-sensitized Solar Cells with Nanotechnologies <u>Liyuan Han</u> <i>National Institute for Materials Science, Japan</i> - 39 -	
11:30-11:45	O-53 Homogenization of metallic metamaterials and electrostatic resonances <u>D. Felbacq</u> , B. guizal, F. Zolla and G. Bouchitté <i>Institut Universitaire de France, France</i> - 92 -	O-58 Photoresponse properties of semiconducting BaSi2 epitaxial films grown on the tunnel junction for photovoltaic applications <u>T. Saito</u> , Y. Matsumoto, M. Takeishi, R. Sasaki and T. Suemasu <i>University of Tsukuba, Japan</i> - 97 -	
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