

11:45	14a-2N-10	Ge 選択成長における SiO ₂ マスク上への横方向成長促進	○(M2) 八子 基樹 ¹ , 水野 泰孝 ¹ , 河合 直行 ¹ , 和田 一実 ¹	1. 東大院工
12:00	14a-2N-11	選択成長 Si キャップ層適用低暗電流 Ge 受光器の開発	○奥村 滋一 ¹ , 木下 啓藏 ¹ , 藤方 潤一 ¹ , 下山 峰史 ¹ , 小野 英輝 ¹ , 田中 有 ¹ , 森戸 健 ¹ , 堀川 剛 ¹ , 最上 徹 ¹	1.PETRA
9/14(Mon.) 13:30 – 15:30 ポスター講演 (Poster Presentation) PA4 会場				
	14p-PA4-1	220nm 厚コア Si 細線導波路を使用した偏波無依存波長フィルタの検討	○岡山 秀彰 ^{1,2} , 太縄 陽介 ^{1,2} , 志村 大輔 ^{1,2} , 八重樫 浩樹 ^{1,2} , 佐々木 浩紀 ^{1,2}	1. 沖電気, 2.PETRA
	14p-PA4-2	TM0-TE1 偏波変換器とパワー分岐素子を使用した偏波ダイバーシティ用 Si 光導波路素子	○岡山 秀彰 ^{1,2} , 太縄 陽介 ^{1,2} , 志村 大輔 ^{1,2} , 八重樫 浩樹 ^{1,2} , 佐々木 浩紀 ^{1,2}	1. 沖電気, 2.PETRA
	14p-PA4-3	二重リング共振器直列接続広帯域 C バンド選択波長可変光フィルタの解析	○三橋 頼人 ¹ , 横井 裕人 ¹ , 松島 裕一 ² , 石川 浩 ¹ , 宇 高 勝之 ¹	1. 早大基幹理工, 2.GCS 機構
	14p-PA4-4	III-V-OI 基板のバターニングによるボイド低減の検討	○高島 成也 ^{1,2} , 一宮 佑希 ^{1,2} , 竹中 充 ^{1,2} , 高木 信一 ^{1,2}	1. 東大院工, 2.JST-CREST
奨	14p-PA4-5	貼り合せ MOS 型光変調器実現に向けた Al ₂ O ₃ /HfO ₂ 界面によるボイド低減手法の検討	○(DC) 韓 在勳 ^{1,2,3} , 竹中 充 ^{1,2} , 高木 信一 ^{1,2}	1. 東大院工, 2.JST-CREST, 3. 学振 DC1
	14p-PA4-6	スロット導波路の温度無依存化とリング共振器応用	○雨宮 嘉照 ¹ , サナムリタ クマル ¹ , 谷口 智哉 ¹ , 横山 脩平 ¹ , 野田 和希 ¹ , 千日 拓馬 ¹ , 横山 新 ¹	1. 広島大
	14p-PA4-7	Al マスクを用いたスポットサイズコンバータの製作と評価	○千日 拓馬 ¹ , 中島 悠人 ¹ , 雨宮 嘉照 ¹ , 田部井 哲夫 ¹ , 横山 新 ¹	1. 広大なノデバイス
	14p-PA4-8	Ta ₂ O ₅ シングルモード光導波路の作製及び評価	○(M2) 矢木 晨太郎 ¹ , 丸山 武男 ¹ , 飯山 宏一 ¹	1. 金沢大院自然科学
E	14p-PA4-9	High quality factor Ta ₂ O ₅ based micro-ring resonator	Chung-Lun Wu ¹ , Ting-Wei Liao ¹ , Yi-Jen Chiu ¹ , Yuan-Yao Lin ¹ , Ann-Kuo Chu ¹ , Chao-Kuei Lee ¹	1.Department of Photonics, National Sun Yat-sen University

4 JSAP-OSA Joint Symposia 2015

シンポジウムは p.53~p.59 にございます。

9/14(Mon.) 9:30 – 11:30 ポスター講演 (Poster Presentation) PB3 会場				
E	14a-PB3-1	Refractive-index tip sensor by mean of an All-Fiber Fabry-Perot Interferometer	○(PC)JULIAN ESTUDILLO-AYALA ¹ , DANIEL JAUREGUI-VAZQUEZ ¹ , YANELIS LOPEZ-DIEGUEZ ¹ , MIGUEL PEREZ-MACIEL ¹ , JUAN SIERRA-HERNANDEZ ¹ , JUAN HERNANDEZ-GARCIA ¹ , ROBERTO ROJAS-LAGUNA ¹	1.Univ. de Guanajuato
E	14a-PB3-2	Fantastic Focusing Direction of Luneburg Lens with Gradient Photonic Crystals Structure in Metamaterial Regime	○Yuanyuan ZHAO ^{1,3} , Yong-Liang Zhang ¹ , Mei-Ling Zheng ¹ , Xian-Zi Dong ¹ , Zhen-Sheng Zhao ¹ , Xuan-Ming Duan ^{1,2}	1.Technical InstituteOf Physics and Chemistry, CAS, 2.Chongqing Institute of Green and Intelligent Technology, CAS, 3.University of Chinese Academy of Sciences
E	14a-PB3-3	A Polymer Line of 68 nm Achieved in Two-Photon Polymerization Nanofabrication	○Yu-Huan Liu ^{1,3} , Xian-Zi Dong ¹ , Mei-Ling Zheng ¹ , Zhen-Sheng Zhao ¹ , Xuan-Ming Duan ^{1,2}	1.Technical InstituteOf Physics and Chemistry, CAS, 2.Chongqing Institute of Green and Intelligent Technology, CAS, 3.University of Chinese Academy of Sciences
E	14a-PB3-4	Direct Writing of Ag Nanowire Using Multiphoton Absorption Nanofabrication Method	○Gui-Cang He ^{1,3} , Mei-Ling Zheng ¹ , Xian-Zi Dong ¹ , Yuan-Yuan Zhao ^{1,3} , Xuan-Ming Duan ^{1,2} , Zhen-Sheng Zhao ^{1,2}	1.Lab. of Organic NanoPhotonics, Tech. Inst. of Physics and Chemistry, CAS, 2.Chongqing Inst. of Green and Intelligent Tech., CAS, 3.Univ. of Chinese Academy of Sciences
E	14a-PB3-5	Tunable phase detection sensitivity of grating-coupled surface plasmon resonance (SPR) Sensor in a Phase-Shift Interferometry (PSI) Image System	○WEN-KAI KUO ¹ , CHI-XIAN CHEN ¹	1.Nat ¹ Formosa Univ.
E	14a-PB3-6	Study on loss reduction toward 100GHz channel spacing Si wire waveguide AWG	○Hideaki Okayama ^{1,2} , Yosuke Onawa ^{1,2} , Daisuke Shimura ^{1,2} , Hiroki Yaegashi ^{1,2} , Hironori Sasaki ^{1,2}	1.OKI, 2.PETRA
E	14a-PB3-7	Advantage of randomly displaced phase distribution design in computer generated binary holograms	○(M1)Shutaro Hiramoto ¹ , Naoki Ohtani ¹ , Takashi Fukuda ² , Akira Emoto ¹	1.Doshisha Univ., 2.AIST
奨・E	14a-PB3-8	Structure dependence of Optical Properties of Frost Column-like Carbon Nanotube Forest	○(B)Hiroki Miyaji ¹ , Adam Pander ¹ , Yuji Kusumoto ¹ , Akimitsu Hatta ^{1,2} , Hiroshi Furuta ^{1,2}	1.Kochi Univ. Technol., 2.Nano C., Res. Inst., Kochi Univ. Technol.

4.1 Plasmonics / Plasmonics

9/13(Sun.) 9:00 – 12:30 口頭講演 (Oral Presentation) 2C 会場				
9:00	招 E 13a-2C-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) New Development of Plasmonics Towards High-Efficiency Light-Emitting Devices	○ Koichi Okamoto ¹	1.Kyushu Univ.
9:30	E 13a-2C-2	Numerical study on plasmonic sensor based on double-side metal-coated dielectric nanoslit array	○(D)Jeong-Geun Yun ¹ , Joonsoo Kim ¹ , Seung-Yeol Lee ¹ , Byoungheo Lee ¹	1.Seoul National Univ.
9:45	E 13a-2C-3	Highly tunable hybrid plasmonic devices for trapping nano-objects.	○(P)Marios Sergides ¹ , Viet Giang Truong ¹ , Silic Nic Chormaic ¹	1.Okinawa Institute of Science and Technology
10:00	E 13a-2C-4	Localized surface plasmon effect for ZnO nanoparticles based devices	○ Jie Lin ¹ , Hirotaka Tanada ¹ , Kenta Odawara ¹ , Yuto Hiragino ¹ , Yasuhisa Fujita ¹	1.Shimane Univ.
10:15	E 13a-2C-5	Transmission of the Double-layer Wire Grid Polarizer and its Dependence on the Incident Angle and the Periodical Structures	○ Atsushi Motogaito ^{1,3} , Yuuta Morishita ¹ , Hideto Miyake ^{2,3} , Kazumasa Hiramatsu ^{1,3}	1.Grad. School of Eng., Mie Univ., 2.Grad. School of Reg. Innov., Mie Univ., 3.MIE-CUTE
10:30	休憩 / Break			
10:45	招 E 13a-2C-6	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Manipulating Focusing and polarizing in Plasmonic Nanostructures	Jiaming Li ¹ , Zheyu Fang ¹ , O Xing Zhu ^{1,2}	1.School of Physics, Peking University, 2.National Center for Nanoscience and Technology, China
11:15	E 13a-2C-7	Roles of oxide plasmonics for solar thermal-shielding applications	○ Hiroaki Matsui ¹ , Hitoshi Tabata ¹	1.The Univ. of Tokyo
11:30	E 13a-2C-8	Fano resonances in i-shaped gold dimers	○ Yusuke Ebihara ¹ , Yuto Onuma ² , Yutaka Majima ² , Kotaro Kajikawa ¹	1.Tokyo Inst. Tech., 2.Mat. & Struct. Lab.
11:45	E 13a-2C-9	Tunability and Sensitivity of Tamm Plasmon Resonance	○ Kuo-Ping Chen ¹ , Che-Yuan Chang ¹ , Mong-Yin Ling ¹	1.NCTU
12:00	E 13a-2C-10	Metallic nanorods array for magnified subwavelength imaging	○(DC)Yoshiro Ohashi ¹ , Bikas Ranjan ¹ , Yuika Saito ¹ , Prabhat Verma ¹	1.Osaka Univ.

12:15	E 13a-2C-11	Anticrossing behavior of surface plasmon polariton dispersions in metal-insulator-metal structure	○ (DC)Siham Refki ^{1,2,3,4} , Shinji Hayashi ^{1,5} , Hidekazu Ishitobi ^{3,4} , Zouheir Sekkat ^{1,2,4} , Yasushi Inouye ^{3,4} , Satoshi Kawata ⁴	1.Optics and Photonics Center, Moroccan Foundation for Advanced Science, Innovations and Research (MAScIR), 2.Faculty of Sciences, University Mohammed V, 3.Graduate School of Frontier Biosciences, Osaka University, 4.Graduate School of Engineering, Osaka University, 5.Graduate School of Engineering, Kobe University
9/13(Sun.) 13:45 – 17:45 口頭講演 (Oral Presentation) 2C 会場				
13:45	招 E 13p-2C-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Plasmonically Controlled Lasing in Metallic-Dielectric Core-Shell Nanoparticles	○ Koji Fujita ¹	1.Kyoto Univ.
14:15	E 13p-2C-2	Titanium Nitride Thin films as Plasmonic Materials with High power Impulse Magnetron Sputtering	○ (D)Zih-Ying Yang ¹ , Yi-Hsun Chen ¹ , Bo-Huei Liao ² , Kuo-Ping Chen ³	1.Inst. of Lighting and Energy Photonics, National Chiao Tung Univ., 2.Instrument Technology Research Center, National Applied Research Laboratories, 3.Inst. of Imaging and Biomedical Photonics, National Chiao Tung Univ.
14:30	奨・E 13p-2C-3	Localized Surface Plasmon Resonance and Plasmon Hybridization in Contour Bowtie Nanoantenna	○ (DC)LiWei Nien ¹ , BoKai Chao ¹ , HsinChia Ho ¹ , JiaHan Li ² , ChunHway Hsueh ¹	1.MSE, NTU, 2.ESEO, NTU
14:45	E 13p-2C-4	Laser-induced optical properties changes in gold doped materials	○ Nikolay Nedyalkov ^{1,2} , M. Machida ¹ , Y. Nakajima ¹ , A. Takami ¹ , M. Terakawa ¹	1.Keio Univ., 2.Institute of Electronics, BAS
15:00	E 13p-2C-5	Hybridization model of gold nanoantenna in oblique incidence and evanescent waves	○ (M1)Zhen-Hong Yang ¹ , Kuo-Ping Chen ¹	1.Chiao Tung Univ.
15:15	E 13p-2C-6	Plasmon Mediated Photocurrent Generation in Sol-gel Synthesized Doped SrTiO ₃ Films.	○ Sugavaneshwar RamuPasupathi ^{1,2} , Kai Chen ^{1,2} , Satoshi Ishii ^{1,2} , Thang Duy Dao ^{1,2} , Naoto Umezawa ³ , Tadaaki Nagao ^{1,2}	1.MANA NIMS, 2.CREST JAPAN, 3.CMG, ERC, NIMS
15:30		休憩 / Break		
15:45	E 13p-2C-7	Nanosphere Template Lithography for the Fabrication of Aluminum Plasmonic Antenna	○ (DC)Mark Swartz ¹ , Miguel Rodriguez ¹ , Steve Blair ¹ , Jennifer Shumaker-Parry ¹	1.Univ. of Utah
16:00	E 13p-2C-8	High-Temperature Wavelength Selective Thermal Emitters Fabricated by Colloidal Mask Etching of Mo-Al ₂ O ₃ -Mo Trilayers	○ (P)Takahiro Yokoyama ^{1,2} , Thang Duy Dao ^{1,2} , Kai Chen ^{1,2} , Satoshi Ishii ^{1,2} , Ramu Pasupathi Sugavaneshwar ^{1,2} , Tadaaki Nagao ^{1,2}	1.NIMS, 2.CREST-JST
16:15	E 13p-2C-9	Fabrication of Large Area Plasmonic Grating using Laser Interference	○ (D)Fateme Hosseini Alast ¹ , Guixin Li ¹ , Kok Wai Cheah ¹	1.HK Baptist Univ.
16:30	E 13p-2C-10	Corner Radius Effects of Periodic gold Bowtie Nanoantenna for Surface-enhanced Raman Spectroscopy	○ (DC)Bo Chao ¹ , Li-Wei Nien ¹ , Shih-Che Lin ¹ , Jia-Han Li ¹ , Chun-Hway Hsueh ¹	1.Nat'l. Taiwan Univ.
16:45	E 13p-2C-11	Surface-enhanced Raman spectroscopy (SERS) of textured structures with anti-reflection by wet etching and island lithography	○ (D)HsinChia Ho ¹ , BoKai Chao ¹ , HsinHung Cheng ³ , LiWei Nien ¹ , MinJiang Chen ¹ , Nagao Tadaaki ⁴ , JiaHan Li ² , ChunHway Hsueh ¹	1.Dep. of Materials Sci. and Engineering, Nation Taiwan Univ., 2.Dep. of Engineering Sci. and Ocean Engineering, Nation Taiwan Univ., 3.Dep. of Marine Engineering, Taipei College of Maritime Tech., 4.Center for Materials Nanoarchitectonics, National Institute for Materials Sci.
17:00	E 13p-2C-12	Fiber Optic SPR based P-Cresol Sensor using Ag/ZnO nanoparticle-Chitosan/tyrosinase	○ (D)Sruthi Usha ¹ , Banshi Gupta ¹	1.I.I.T. Delhi
17:15	E 13p-2C-13	Fiber Optic SPR Sensor for Detection of Pb Ions utilizing Molecular Imprinting	○ (D)Anand Shrivastav ¹ , Banshi Gupta ¹	1.I.I.T. Delhi
17:30	E 13p-2C-14	Surface Enhanced Raman Scattering (SERS) Waveguide of Crystalline Organic Microrod and Bio-Sensing Application	○ (D)Seong Gi Jo ¹ , Jinsang Kim ² , Jeongyong Kim ³ , Jinsoo Jo ¹	1.Korea Univ. Korea, 2.Michigan Univ. USA, 3.Sungkyunkwan Univ. Korea
9/14(Mon.) 9:00 – 12:15 口頭講演 (Oral Presentation) 2C 会場				
9:00	招 E 14a-2C-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Subwavelength Spot and Ultra-resolution Imaging	HL Hu ¹ , GH Yuan ¹ , LY Jiang ¹ , TT Yin ¹ , O Zexiang Shen ¹	1.Nanyang Technological Univ.
9:30	E 14a-2C-2	Targeted intracellular detection of cellular components by in-situ fabrication of plasmonic Raman probes	○ Nicholas Smith ¹ , Nicolas Pavillon ¹	1.Osaka University
9:45	E 14a-2C-3	Surface Enhanced Raman Scattering of Water Solution Specimens Coated on Porous MgF ₂ Thin Films Dispersed with Ag Nanoparticles	○ (M2)Kazunari Yasuda ¹ , Eisuke Yokoyama ¹ , Takehisa Shibuya ¹ , Moriaki Wakaki ¹	1.Tokai Univ.
10:00	E 14a-2C-4	Investigation of surface-enhanced Raman scattering spectra of p-ATP at different laser excitation powers	○ Nobuyuki Takeyasu ¹ , Ryusuke Kagawa ¹ , Takashi Kaneta ¹	1.Okayama Univ.
10:15	E 14a-2C-5	Plasmonic-Nanoparticle-Enhanced Hyper-Raman Spectroscopy	○ (DC)Bikas Ranjan ¹ , Mamoru Hashimoto ² , Yuika Saito ¹ , Prabhat Verma ¹	1.Department of Applied Physics, Suita, Osaka University, Japan, 2.Department of Physics, Toyonaka, Osaka University, Japan
10:30		休憩 / Break		
10:45	招 E 14a-2C-6	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Circular Polarization Control Using Metallic Artificial Structures	○ Kuniaki Konishi ¹	1.Univ. of Tokyo
11:15	E 14a-2C-7	Chiral plate perfect absorber metamaterial for infra-red spectral range based on 3D spiral architecture	IHAR FANYAEU ^{1,2} , ○ (P)VYGANTAS MIZEIKIS ¹	1.Shizuoka Univ., 2.Gomel State Univ.
11:30	E 14a-2C-8	Ultra-thin 3D Optical Cloak	○ (D)Zi Jing Wong ¹ , Xingjie Ni ¹ , Michael Mrejen ¹ , Yuan Wang ^{1,2} , Xiang Zhang ^{1,2}	1.Univ. of California, Berkeley, 2.Lawrence Berkeley National Laboratory
11:45	E 14a-2C-9	Single-crystal silver thin films for low-loss plasmonic metamaterials	○ (M1)Tasuku Koiba ¹ , Vassili A. Fedotov ² , Jun-Yu Ou ² , Takashi Uchino ¹	1.Tohoku Inst of Tech, 2.Univ of Southampton
12:00	E 14a-2C-10	Strong Forward and Backward Scattering of High Refractive Index Nanoparticles in Evanescent Waves	○ (M1)Yu-Lun Kuo ¹ , Kuo-Ping Chen ¹	1.Chiao Tung Univ.

4.2 Bio- and Medical Photonics			
9/16(Wed.) 9:15 – 12:15 口頭講演 (Oral Presentation) 2C 会場			
9:15	招 E 16a-2C-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Super-resolution optical fluctuation imaging with high spatiotemporal resolution	Xuanze Chen ¹ , Zhiping Zeng ¹ , O Peng Xi ¹ 1.Peking University
9:45	E 16a-2C-2	Enhancement of the lateral resolution of Raman microscopy by use of structured illumination	○ Almar Palonpon ¹ , Kozue Watanabe ¹ , Nicholas Smith ² , Liang-da Chiu ¹ , Atsushi Kasai ³ , Hitoshi Hashimoto ³ , Satoshi Kawata ¹ , Katsumasa Fujita ¹ 1.Department of Applied Physics, Osaka University, 2.Immunology Frontier Research Center, Osaka University, 3.Laboratory of Molecular Neuropharmacology, Osaka University
10:00	E 16a-2C-3	Digital holographic microscopy for quantitative observation of birefringent material in biological samples	○ Wataru Kamo ^{1,2} , Nicolas Pavillon ³ , Katsumasa Fujita ¹ , Nicholas Smith ² 1.Dept. of Applied physics, Osaka Univ., 2.iFReC, Osaka Univ.
10:15	奨・E 16a-2C-4	High-resolution optical coherence microscopy using high-power supercontinuum source in wavelength of 1700nm region	○ Tatsuhiro Teranishi ¹ , Masahito Yamanaka ¹ , Hiroyuki Kawagoe ¹ , Norihiko Nishizawa ¹ 1.Nagoya Univ. Graduate School of Engineering
10:30		休憩 /Break	
10:45	招 E 16a-2C-5	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Adaptive optics for super-resolution microscopy	○ Martin Booth ^{1,2} 1.University of Oxford, 2.Erlangen University
11:15	E 16a-2C-6	Multimodal label-free measurements for diagnostics of live cellular samples	○ (P)Nicolas Pavillon ¹ , Nicholas Smith ¹ 1.Osaka Univ.
11:30	E 16a-2C-7	Visualization of lipid rafts in an artificial monolayer membrane by using slit-scanning Raman microscopy	○ Jun Ando ^{1,2,3,4} , Masanao Kinoshita ^{5,6} , Jin Cui ^{5,7} , Hiroyuki Yamakoshi ^{2,4} , Kosuke Dodo ^{1,2,4} , Katsumasa Fujita ^{1,2,3} , Michio Murata ⁵ , Mikiko Sodeoka ^{1,2,4} 1.AMED-CREST, AMED, 2.ERATO Sodeoka Live Cell Chemistry PJ, 3.Dept. Applied Physics, Osaka Univ., 4.RIKEN, 5.ERATO Lipid Active Structure PJ, 6.Dept. Chem, Kyushu Univ., 7.Dept. Chem, Osaka Univ.
11:45	E 16a-2C-8	High power supercontinuum generation by high-repetition-rate ultrashort pulse fiber laser for ultrahigh resolution OCT in 1600 nm spectral band	○ Masahito Yamanaka ¹ , Hiroyuki Kawagoe ¹ , Norihiko Nishizawa ¹ 1.Nagoya Univ.
12:00	E 16a-2C-9	Dental hard tissue ablation with a wavelength-tunable pulsed Cr:CdSe laser in the range of 2.76-3.00 μm	○ Taichen Lin ¹ , Akira Aoki ¹ , Norihito Saito ² , Masaki Yumoto ² , Sadahiro Nakajima ² , Keigo Nagasaka ² , Shizuko Ichinose ¹ , Koji Mizutani ¹ , Satoshi Wada ² , Yuichi Izumi ¹ 1.Ikashika Univ., 2.Riken Inst.
9/16(Wed.) 13:45 – 17:00 口頭講演 (Oral Presentation) 2C 会場			
13:45	招 E 16p-2C-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Application of fluorescent diamond nanoparticles to bio-imaging	Ryuji Igarashi ¹ , Shingo Sotoma ¹ , Masahiro Shirakawa ¹ , Yoshi Harada ¹ 1.Kyoto Univ.
14:15	E 16p-2C-2	Polarization-Dependent Optical Responses of Injection-Molded Guided-Mode-Resonance Biosensors	Yu-Chung Lin ¹ , Yi-Fan Ku ¹ , Guo-En Chang ¹ 1.Nat. Chung Cheng Univ.
14:30	E 16p-2C-3	Multiple single-molecule tracking in nanoscale based on spectral discrimination	○ Taro Ichimura ¹ , Taishi Kakizuka ² , Keigo Ikezaki ³ , Junichi Kaneshiro ¹ , Hideaki Fujita ¹ , Tomonobu Watanabe ^{1,2,4} 1.RIKEN QBiC, 2.Front. Biosci., Osaka Univ., 3.Front. Sci., Univ. Tokyo, 4.iFReC, Osaka Univ.
14:45	E 16p-2C-4	Detection of Pathogenic Bacteria Using Nanocomposite as an Optical Nanoantenna	○ (D)Takamasa Kinoshita ¹ , Maho Fukuda ¹ , Hiroshi Shiiigi ¹ , Tsutomu Nagaoka ¹ 1.Osaka Prefecture Univ.
15:00	E 16p-2C-5	SERS immunosensor for detecting influenza A	○ (D)Kullavadee Karnorachai ^{1,2} , Kenji Sakamoto ¹ , Rawiwan Laocharoensuk ³ , Suwussa Bamrungsap ³ , Tararaj Dharakul ^{3,4} , Kazushi Miki ¹ 1.NIMS, Tsukuba, Japan, 2.Tsukuba Univ., 3.NANOTEC, NSTDA, 4.Mahidol Univ.
15:15		休憩 /Break	
15:30	招 E 16p-2C-6	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Controlling cells function by light technology	○ Toshihiro Kushibiki ¹ 1.Nat Defense Med Coll
16:00	E 16p-2C-7	Numerical Simulation Studies for Optical Properties of Biomaterials	○ Alexey Seteikin ¹ , Ilya Krasnikov ¹ 1.Amur State Univ.
16:15	E 16p-2C-8	Optical Properties of Oleoresin with Capsaicin in Visible Window Using Diffuse Reflectance Spectroscopy	○ (DC)Lopez Manuel Abraham ¹ , Baez Jose Javier ¹ , Castro Jorge ¹ 1.Ntl. Inst. of Astrophysics Optics and Electronics
16:30	E 16p-2C-9	Lanthanide ions for suppressing photodegradation of biological cells under deep-ultraviolet light exposure	○ Yasuaki Kumamoto ^{1,2} , Katsumasa Fujita ¹ , Nicholas Smith ³ , Satoshi Kawata ^{1,2} 1.Osaka Univ., 2.RIKEN, 3.iFReC
16:45	E 16p-2C-10	Dark state dynamics of eGFP investigated by temporally-modulated excitation	○ NAOITO KAMIYAMA ¹ , YOSHIYA SUNAIRI ¹ , KEISUKE TODA ¹ , AKIRA SUDA ¹ 1.Tokyo Univ. Sci.
4.3 Optical Micro-sensing, Manipulation, and Fabrications			
9/14(Mon.) 13:45 – 18:00 口頭講演 (Oral Presentation) 2C 会場			
13:45	招 E 14p-2C-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) How Optical/Biophysical Complements Biochemical Characterizations in Cellular Mechanobiology?	○ Arthur Chiou ¹ , Yin-Quan Chen ¹ , Muh-Hwa Yang ¹ 1.Natl Yang-Ming U.
14:15	E 14p-2C-2	T-shape Suspended Silicon Nitride Microring Resonator Sensor	○ (PC)Jijun Feng ¹ , Ryoichi Akimoto ¹ 1.Nat. Inst. of Adv. Indust. Sci. & Technol.
14:30	E 14p-2C-3	Biosensor Based on a Photonic Crystal Cavity Resonator	○ (DC)Amrita Sana ¹ , Keita Honzawa ¹ , Yoshiteru Amemiya ¹ , Shin Yokoyama ¹ 1.Hiroshima Univ.
14:45	招 E 14p-2C-4	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Biomolecular sensing with in-situcomputation by photonic DNA computing	○ Yusuke Ogura ¹ , Takahiro Nishimura ¹ , Jun Tanida ¹ 1.Osaka Univ.
15:15	E 14p-2C-5	Ultrathin-walled microbubbles for high sensitivity pressure sensing	○ (P)Yong Yang ¹ , Jonathan Ward ¹ , Sile Nic Chormaic ¹ 1.Okinawa Inst of Science & Technology
15:30	E 14p-2C-6	Gas Flow Sensor using a Hollow WGM Microlaser	○ (P)Jonathan Ward ¹ , Yong Yang ¹ , Sile NicChormaic ¹ 1.Okinawa Institute of Science and Technology
15:45	E 14p-2C-7	Molecular length of Self-Assembled Monolayers Probed by Surface Plasmon Resonance	○ JURI ITO ¹ , Kotaro Kajikawa ¹ 1.Tokyo Inst. tech.
16:00		休憩 /Break	
16:15	招 E 14p-2C-8	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Casimir forces between micromechanical components on a silicon chip	○ Ho Bun Chan ¹ , Lu Tang ¹ , Henry Ching Yan Ng ¹ , Che Ting Chan ¹ , Milos Nikolic ² , Alejandro Rodriguez ² 1.Hong Kong Univ. of Science and Technology, 2.Princeton Univeristy
16:45	招 E 14p-2C-9	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Near-field multi-probe diagnosis of subwavelength-scale optoelectronics functionalities	○ Hirokazu Hori ¹ , Kazuharu Uchiyama ¹ , Masaru Sakai ¹ , Hitoshi Nejo ¹ , Kiyoshi Kobayashi ¹ 1.Univ. Yamanashi
17:15	E 14p-2C-10	Clustering of Microspheres Using Thermoplasmonic Marangoni Effect	○ Kyoko Namura ¹ , Kaoru Nakajima ¹ , Kenji Kimura ¹ , Motofumi Suzuki ¹ 1.Kyoto Univ.
17:30	E 14p-2C-11	Change in optical properties by texturing Si compounds by F ₂ and NO _x gases	○ Satomi Tajima ¹ , Toshio Hayashi ¹ , Minoru Sasaki ² , Koji Yamakawa ³ , Kenji Ishikawa ¹ , Makoto Sekine ¹ , Masaru Hori ¹ 1.Nagoya Univ., 2.Toyota Tech. Inst., 3.Katagiri Engineering Co., Ltd.
17:45	E 14p-2C-12	Investigation of ripple pattern formation by Bessel Gaussian femtosecond laser beam on Si and Al surface in submicron meter scale; polarization effect	○ (M2)Shota Sekiguchi ¹ , Hirotaka Yoneya ¹ , Hiroshi Nozawa ¹ , Yuya Akashi ¹ , Takashi Yagi ¹ 1.Tokai Univ.

4.4 Opto-electronics			
9/14(Mon.) 13:45 – 19:45 口頭講演 (Oral Presentation) 2D 会場			
13:45	招 E 14p-2D-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Semiconductor Membrane Lasers toward On-chip Optical Interconnects	○ Shigehisa Arai ¹ 1.Tokyo Inst. Tech.
14:15	招 E 14p-2D-2	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Performance Analysis of Light-Emitting Diodes by Optoelectronic Characterizations	○ Dong-Soo Shin ¹ , Won-Jin Choi ¹ , Jong-In Shim ¹ 1.Hanyang Univ.
14:45	E 14p-2D-3	Controlling the Directionality of Spontaneous Emission by Evanescent Wave Coupling	○ Xue-Lun Wang ¹ , Guo-Dong Hao ¹ , Naoya Toda ¹ 1.AIST
15:00	E 14p-2D-4	Interplay between Förster energy migration and defect concentration in shaping a photochemical funnel in PPV	Sangeeta Saini ¹ , ○ Biman Bagchi ² 1.Kurukshetra Univ., 2.Indian Inst. of Science
15:15	奨・E 14p-2D-5	Color tunable persistent luminescence of Ce-Cr co-doped garnet phosphors	○ Kazuki Asami ¹ , Jumpei Ueda ¹ , Setsuhisa Tanabe ¹ 1.Kyoto Univ.
15:30	E 14p-2D-6	Ge/SiGe Quantum-Well Photoconductors on Si for C-band Telecommunications	Shao-Wei Chen ¹ , Chia-Ho Tsai ¹ , ○ Guo-En Chang ¹ 1.Nat. Chung Cheng Univ.
15:45	E 14p-2D-7	Optoelectronic Applications Using Hybrids of Quantum Dots and Organic Semiconductors	○ JINSOO JOO ¹ , Yoon Deok Han ¹ , Eun Hei Cho ¹ , Kwang-Sup Lee ² , Jeongyong Kim ³ 1.Korea Univ., 2.Hannam Univ., 3.Sungkyunkwan Univ.
16:00	E 14p-2D-8	Characterizations of the Hybrid Si/GaN Microring Resonator with Asymmetric Vertical Coupling	○ (DC)Borriboon Thubthimthong ¹ , Takashi Sasaki ¹ , Kazuhiro Hane ¹ 1.Tohoku Univ.
16:15	E 14p-2D-9	Performance Improvement of Miniature Stationary Fourier Transform Spectrometer using Resolution Enhancement Algorithm	○ Zhi-mei Qi ¹ , Kun Wang ¹ , Jinyang Li ¹ , Dan-feng Lu ¹ 1.State Key Laboratory of Transducer Technology, Institute of Electronics, Chinese Academy of Sciences
16:30		休憩 / Break	
16:45	招 E 14p-2D-10	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Directly Modulated Membrane Lasers on Si	○ Shinji Matsuo ¹ , Takuro Fujii ¹ , Koji Takeda ¹ 1.NTT Corporation
17:15	招 E 14p-2D-11	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Nonlinear microresonators: towards integrated ultrafast optical clocks	○ Sai Tak Chu ¹ , Alessia Pasquazi ² , Marco Peccianti ² , Jin Li ¹ , David J Moss ³ , Roberto Morandotti ⁴ 1.City University of Hong Kong, Hong Kong, China, 2.University of Sussex, U.K., 3.RMIT University, Australia, 4.INRS – EMT, Canada
17:45	E 14p-2D-12	Sub-kHz linewidth lasers using integrated Si ₃ N ₄ ring resonators	○ (DC)Daryl Spencer ¹ , John Bowers ¹ 1.UC Santa Barbara
18:00	E 14p-2D-13	Electro-optic Polymer / Titanium Dioxide Hybrid Modulators	○ Feng Qiu ¹ , Shiyoshi Yokoyama ¹ 1.Kyushu University
18:15	E 14p-2D-14	Simultaneous measurement of twist and transverse-stress through a dual-mode fiber assisted Sagnac Interferometer	○ (D)Saba Khan ¹ , Sudip Chatterjee ¹ , Partha Roy Chaudhuri ¹ 1.Indian Institute of Technology Kharagpur
18:30	E 14p-2D-15	Measurement of relative humidity using Gelatin-coated multilayer fiber	○ (D)Sudip Chatterjee ¹ , Saba Khan ¹ , Partha Roy Chaudhuri ¹ 1.Indian Institute of Technology Kharagpur
18:45	E 14p-2D-16	Propagation through chiro-ferrite slab waveguides	○ (D)Naeem Iqbal ¹ , Pankaj Kumar Choudhury ¹ 1.IMEN, UKM, Malaysia
19:00	E 14p-2D-17	Trench-assisted annulus core EDFA for gain equalization of six mode groups	○ (D)Ankita Gaur ¹ , Vipul Rastogi ¹ 1.IIT Roorkee
19:15	E 14p-2D-18	Performance of Low Magnetic Field detection using Double Cantilever Fiber-Beam Deflection-Transmission Configuration	○ (D)Somarpita Pradhan ¹ , Partha Roy Chaudhuri ¹ 1.Indian Institute of Technology Kharagpur
19:30	E 14p-2D-19	Absolute distance measurement by two-color heterodyne pulse-to-pulse interferometry of optical frequency combs	○ Lei Liao ¹ , Guangyao Xu ¹ , Guanhao Wu ¹ 1.Tsinghua Univ.
4.5 Information Photonics			
9/15(Tue.) 13:45 – 19:45 口頭講演 (Oral Presentation) 2F 会場			
13:45	招 E 15p-2F-1	[OSA President Special Lecture] (60min.) Intense light-matter interactions in photonic crystal and microstructured fibres	○ Philip Russell ¹ 1.Max-Planck-Institute for the Science of Light
14:45		休憩 / Break	
15:00	招 E 15p-2F-2	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Subwavelength light focusing and imaging via wavefront shaping	○ YongKeun Park ¹ 1.KAIST
15:30	E 15p-2F-3	High Contrast Digital Holographic Microscopy by use of Femtosecond Pulse Light	○ (P)Dahi Ibrahim ¹ , HIROTSUGU YAMAMOTO ² , TAKESHI YASUI ¹ 1.Tokushima Univ., 2.Utsunomiya Univ.
15:45	E 15p-2F-4	Four-step in-line digital holography simultaneously sensing dual-wavelength information using wavelength-multiplexed holograms	○ Tatsuki Tahara ¹ , Ryota Mori ¹ , Yasuhiko Arai ¹ , Yasuhiro Takaki ² 1.Kansai Univ., 2.Tokyo Univ. Agric. Tech.
16:00	E 15p-2F-5	Reconstruction of complex-amplitude from quantized diffraction patterns by one-shot ptychography	○ Mio Fukui ¹ 1.Osaka Univ.
16:15	E 15p-2F-6	Spatiotemporal link in optical frequency comb imaging	○ (P)Quang Pham ¹ , Yoshio Hayasaki ¹ 1.CORE Utsunomiya University
16:30	E 15p-2F-7	Single-shot multidimensional phase imaging with a coded aperture	○ Ryoichi Horisaki ¹ , Jun Tanida ¹ 1.Osaka Univ.
16:45	招 E 15p-2F-8	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Ultrasensitive denoising imaging	○ Guang-Jie Zhai ¹ , Wen-Kai Yu ^{1,2} , Qing Zhao ² 1.CSSAR, CAS, 2.BIT
17:15		休憩 / Break	
17:30	招 E 15p-2F-9	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Researches for ultra-realistic communication system in NICT	○ Kenji Yamamoto ¹ 1.NICT
18:00	奨・E 15p-2F-10	Optically Controlled Quantum-Dot-Based Volumetric Display Exhibiting Multiple Patterns	○ Ryuji Hirayama ¹ , Atsushi Shiraki ¹ , Makoto Naruse ² , Hirotaka Nakayama ¹ , Naoya Tate ³ , Takashi Kakue ¹ , Tomoyoshi Shimobaba ¹ , Tomoyoshi Ito ¹ 1.Chiba Univ., 2.NICT, 3.Kyushu Univ.
18:15	E 15p-2F-11	Monte Carlo simulation for speckle reduction using moving diffuser	○ Shigeo Kubota ¹ , Koji Suzuki ¹ , Yasushi Tomita ¹ , Tatsuo Fukui ¹ 1.Oxide Corporation
18:30	E 15p-2F-12	Waving-hand steganography for a movie on a high-frame-rate LED display	○ Masashi Takahashi ¹ , Hirotosugu Yamamoto ^{1,2} 1.Utsunomiya Univ., 2.JST, CREST
18:45	E 15p-2F-13	Converging light, thermal and sound wave by 2 types crossed mirror array	○ Ryosuke Kujime ¹ , Haruki Mizusina ¹ , shiro suyama ¹ , Hirotosugu Yamamoto ^{1,2} 1.Tokushima Univ., 2.Utsunomiya Univ.
19:00	E 15p-2F-14	Gonio-observation of handwritten strokes by using coaxial illumination module and compound-eye image-capturing system	○ Yoshinori Akao ¹ , Yoshiyasu Higashikawa ¹ , Jun Tanida ² 1.NRIPS, 2.Osaka Univ.
19:15	招 E 15p-2F-15	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Light field Vision – Light field imaging and its applications for scene understanding–	○ Hajime Nagahara ¹ 1.Kyushu Univ.

4.6 Nanocarbon and 2D materials photonics				
9/15(Tue.) 9:30 – 12:15 口頭講演 (Oral Presentation) 2D 会場				
9:30	招 E 15a-2D-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Nanocarbon-based light emitters for integrated optoelectronics and optical communications	○ Hideyuki Maki ¹	1.Keio Univ.
10:00	E 15a-2D-2	Structure Dependence of CNT Forests on Optical and THz Properties	○ Hiroshi Furuta ¹ , Kazuki Sekiya ¹ , Adam Pander ¹ , Hiroki Miyajiri ¹ , Yuji Kusumoto ¹ , Junthorn Udorn ¹ , Akimitsu Hatta ¹ , Keisuke Takano ² , Makoto Nakajima ²	1.Kochi Univ. Technol., 2.Inst. Laser Engineering, Osaka Univ.
10:15	E 15a-2D-3	Application of Single Wall Carbon Nanotubes with Small Molecule Organic Solar Cells	○ (D)Clement DELACOU ¹ , Il Jeon ¹ , Yutaka Matuso ¹ , Shigeo Maruyama ¹	1.The University of Tokyo
10:30	E 15a-2D-4	Optical properties of Cu ₂ ZnSnS ₄ decorated reduced graphene oxide nanocomposites	○ (PC)Thangaraju Dheivasigaman ¹ , Karthikeyan Rajan ² , Prakash Natarajan ² , Tadanobu Koyama ¹ , Yasuhiro Hayakawa ^{1,2}	1.RIE, Shizuoka university, 2.GSST, Shizuoka university
10:45		休憩 /Break		
11:00	招 E 15a-2D-5	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Plasmon damping in graphene	○ Huguen Yan ¹	1.Department of Physics, Fudan University
11:30	奨・E 15a-2D-6	Resonant Emission and Detection of Terahertz Radiation from Double Graphene Layer Heterostructures	○ (D)Deepika Yadav ¹ , Stevanus Arnold ¹ , Stephane Boubanga Tombet ¹ , Takayuki Watanabe ¹ , Victor Ryzhii ^{1,2} , Taichi Otsuji ¹	1.RIEC, Tohoku Univ., Japan, 2.Inst. of Ultra-High-Freq. Semic. Elec., Russia
11:45	E 15a-2D-7	Gas Adsorption Dynamics in Graphene by Laser THz Emission Spectroscopy	○ (DC)Filchito Bagsican ^{1,3} , Andrew Winchester ² , Sujoy Ghosh ² , Xiang Zhang ³ , Lulu Ma ³ , Minjie Wang ³ , Iwao Kawayama ^{1,3} , Hironaru Murakami ^{1,3} , Saikat Talapatra ² , Robert Vajtai ³ , Pulickel Ajayan ³ , Junichiro Kono ^{1,3} , Masayoshi Tonouchi ^{1,3}	1.Osaka Univ., 2.SIU-Carbondale, 3.Rice Univ.
12:00	E 15a-2D-8	Numerical analysis of a sensitive biosensor based on metal-graphene surface plasmon resonance	○ (DC)HAMID TOLOUE AJILI TOUSI ¹ , Anthony Centeno ¹	1.MJIT, UTM Univ
9/15(Tue.) 15:00 – 17:45 口頭講演 (Oral Presentation) 2D 会場				
15:00	招 E 15p-2D-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Valleytronic properties and devices in 2D crystals	○ Yoshihiro Iwasa ^{1,2}	1.University of Tokyo, 2.RIKEN
15:30	E 15p-2D-2	Observation and Characterization of Biexciton states in high-quality WS ₂ Atomic Layers	○ Mitsuhiro OKADA ¹ , Yuhei MIYAUCHI ² , Kenji WATANABE ³ , Takashi TANIGUCHI ³ , Kazunari MATSUDA ² , Hisanori SHINOHARA ¹ , Ryo KITAURA ¹	1.Nagoya Univ., 2.Kyoto Univ., 3.NIMS
15:45	E 15p-2D-3	Threshold Analysis in Plasmonic Nanolaser with Monolayer Semiconductor as Gain Medium	○ (D)Xiang Meng ¹ , Richard Grote ¹ , Jerry Dadap ¹ , Richard Osgood ¹	1.Columbia University
16:00	奨・E 15p-2D-4	Single- and few-layer metallic NbS ₂ : growth, optical identification and transport properties	○ (PC)Sihan Zhao ¹ , Takato Hotta ¹ , Takashi Koretsune ² , Kenji Watanabe ³ , Takashi Taniguchi ³ , Hisanori Shinohara ¹ , Ryo Kitaura ¹	1.Nagoya Univ., 2.CEMS, RIKEN, 3.NIMS
16:15		休憩 /Break		
16:30	招 E 15p-2D-5	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Photonics of two-dimensional materials beyond graphene	○ Qiaoliang Bao ^{1,2} , Yupeng Zhang ¹ , Yunzhou Xue ^{1,2} , Shaojuan Li ²	1.Department of Materials Science & Engineering, Monash University & the Melbourne Centre for Nanofabrication, Clayton, 2.FUNSON and Collaborative Innovation Center of Suzhou Nano Science and Technology, Soochow University
17:00	E 15p-2D-6	Optical identification of grain boundaries of monolayer MoS ₂	○ Jeongyong Kim ¹	1.CINAP, IBS, SKKU
17:15	奨・E 15p-2D-7	Growth and optical properties of high-quality monolayer WS ₂ on graphite	○ (M2)Yu Kobayashi ¹ , Shogo Sasaki ¹ , Shohei Mori ¹ , Hiroki Hibino ² , Zheng Liu ³ , Kenji Watanabe ¹ , Takashi Taniguchi ¹ , Kazu Suenaga ³ , Yutaka Maniwa ¹ , Yasumitsu Miyata ^{1,5}	1.Tokyo Mtro. Univ., 2.NTT, 3.AIST, 4.NIMS, 5.JST-PRESTO
17:30	E 15p-2D-8	Photoluminescence Properties in Monolayer MoSe ₂ -MoS ₂ Hetero-Structures	○ (PC)Shinichiro Mouri ¹ , Daichi Kozawa ¹ , Eda Goki ² , Yuhei Miyauchi ¹ , Kazunari Matsuda ¹	1.Kyoto Univ., 2.NUS
4.7 Terahertz Photonics				
9/15(Tue.) 9:00 – 12:45 口頭講演 (Oral Presentation) 2E 会場				
9:00	招 E 15a-2E-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Injection seeded THz spectrometer for mail inspection	○ Kodo Kawase ^{1,2} , Kosuke Murate ¹ , Mikiya Kato ¹ , Shin'ichiro Hayashi ²	1.Nagoya Univ., 2.Riken
9:30	招 E 15a-2E-2	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Near-field Scanning Terahertz Microscopy of Metasurface	○ Xueqian Zhang ¹ , Yuehong Xu ¹ , Quan Xu ¹ , Qiu Wang ¹ , Zhen Tian ¹ , Jianqiang Gu ¹ , Chuenmei Ouyang ¹ , Weiwei Zhang ^{1,2} , ○ Jiaguang Han ¹	1.Tianjin Univ., 2.Oklahoma State Univ.
10:00	E 15a-2E-3	The 3.7THz 145K operation modulation barriers structure quantum cascade lasers	○ TSUNGTSE LIN ¹ , HIDEKI HIRAYAMA ¹	1.RIKEN
10:15	E 15a-2E-4	Optimal 1D Microcavity Structure for THz Emission from Optically Pumped GaP Layer: Electromagnetic Analysis by the Method of Single Expression	○ Hovik V. Baghdasaryan ¹ , Tamara M. Knyazyan ¹ , Tamara T. Hovhannissyan ¹ , Arsen A. Hakhoumian ² , ○ (P)Marian Marciniak ^{3,4}	1.Nat. Polytech. Univ. of Armenia, 2.Inst. of Radiophys.& Electron. NAS, 3.Nat. Inst. of Telecom., 4.Kielce Univ. of Techn.
10:30		休憩 /Break		
10:45	奨・E 15a-2E-5	Terahertz emission from silver nano-metal ink	○ (P)Kosaku Kato ¹ , Keisuke Takano ¹ , Yuzuru Tadokoro ¹ , Makoto Nakajima ¹	1.ILE, Osaka Univ.
11:00	E 15a-2E-6	Cherenkov Phase Matched Ultrashort Terahertz Pulse Generation from Nonlinear Crystals	○ Kei Takeya ¹ , Tsubasa Minami ¹ , Ryo Yamazaki ¹ , Hirohisa Uchida ² , Kodo Kawase ²	1.Nagoya Univ., 2.Arkray Inc.
11:15	E 15a-2E-7	Recent progress on the generation of ultrabroadband coherent infrared pulses	○ Eiichi Matsubara ^{1,2} , Masaya Nagai ² , Masaaki Ashida ²	1.Osaka Dental Univ., 2.Osaka Univ.
11:30	奨・E 15a-2E-8	Gain Measurement of Stimulated Phonon-Polariton Scattering in MgO:LiNbO ₃ for High-Peak-Power Terahertz-Wave Parametric Generation	○ (P)Yuma Takida ¹ , Jun-ichi Shikata ² , Kouji Nawata ¹ , Yu Tokizane ¹ , Zhenglai Han ¹ , Mio Koyama ¹ , Takashi Notake ¹ , Shin'ichiro Hayashi ¹ , Hiroaki Minamide ¹	1.RIKEN, 2.Nihon Univ.
11:45	奨・E 15a-2E-9	Experimental Visualization of Beam-collimating Effect by Metal Hole Array in THz Region	○ HaiHuy NguyenPham ¹ , Shintaro Hisatake ¹ , Tadao Nagatsuma ¹	1.Osaka Univ.
12:00	奨・E 15a-2E-10	Terahertz spectroscopy of single Ce@C ₆₀ molecules using sub-nm scale gap electrodes	○ (D)Shaoqing Du ¹ , Kenji Yoshida ¹ , Ya Zhang ¹ , Kazuhiko Hirakawa ^{1,2}	1.IIS, Tokyo Univ., 2.INQIE, Tokyo Univ.
12:15	E 15a-2E-11	THz detection by GeTe/Sb ₂ Te ₃ interfacial phase change materials	○ (PC)KOTARO Makino ^{1,2} , Shota Kuromiya ³ , Keisuke Takano ³ , Makoto Nakajima ³ , Hitoshi Iida ^{2,4} , Moto Kinoshita ^{2,4} , Yuta Saito ^{1,2} , Junji Tominaga ^{1,2} , Takashi Nakano ^{1,2}	1.NRI, AIST, 2.JST-CREST, 3.ILE, Osaka Univ., 4.NMIJ, AIST

12:30	E 15a-2E-12	Ultra-Broadband Terahertz Phonon-Polariton Dispersion in Centrosymmetric Strontium Titanate	○ Seiji Kojima ¹ , Tatsuya Mori ¹ , Mirosław Maczka ²	1.Tsukuba Univ., 2.Institute of Low Temperature and Structure Research
9/15(Tue.) 15:00 - 18:45 口頭講演 (Oral Presentation) 2E 会場				
15:00	招 E 15p-2E-1	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Laser Terahertz Emission Microscope	○ Masayoshi Tonouchi ¹	1.Osaka Univ.
15:30	招 E 15p-2E-2	[JSAP-OSA Joint Symposia 2015 Invited Talk] (30min.) Terahertz Cancer Imaging: Challenges and Opportunities	○ Joo-Hiuk Son ¹	1.Univ. of Seoul
16:00	E 15p-2E-3	Introduction to Terahertz Intensity Interferometry	○ Hiroshi Matsuo ¹ , Hajime Ezawa ¹ , Kiyoto Shibasaki ¹ , Kazumasa Iwai ¹ , Masumi Shimojo ¹ , Noriyuki Shinohara ¹ , Mareki Honma ¹ , Yasuhiro Murata ²	1.NAOJ/NINS, 2.ISAS/JAXA
16:15	E 15p-2E-4	Role of human sweat ducts in interaction of terahertz wave with human skin	○ SAROJ TRIPATHI ¹ , Eisuke Miyata ¹ , Kodo Kawase ¹	1.Nagoya Univ.
16:30	E 15p-2E-5	Signal windowing in terahertz time-domain spectroscopy	○ SAROJ TRIPATHI ² , Dimitar Valchev ¹	1.Univ. Food Technol., 2.Nagoya Univ.
16:45	休憩 / Break			
17:00	奨・E 15p-2E-6	Time of flight measurements of polymer films by a terahertz chemical microscopy	○ (M1)Tsubasa Arisawa ¹ , Hiroyuki Nino ¹ , Kiwa Toshihiko ¹ , Keiji Tsukada ¹ , Kenji Sakai ¹	1.Okayama Univ.
17:15	奨・E 15p-2E-7	Ion sensing for nano liter level solution by a terahertz chemical microscopy	○ (M1)yi zhou ¹	1.Okayama Univ.
17:30	奨・E 15p-2E-8	Resonant frequency shift of complementary split ring resonator in terahertz region	○ Masaki Gomi ¹ , Tsubasa Nishida ¹ , Yosuke Nakata ¹ , Toshihiro Nakanishi ² , Fumiaki Miyamaru ¹ , Mitsuo Takeda ¹	1.Shinshu Univ., 2.Kyoto Univ.
17:45	E 15p-2E-9	Terahertz Photonic Crystal Waveguide based on a Metallic Rod Array	○ Borwen You ¹ , Ja-Yu Lu ² , Toshiaki Hattori ¹	1.Institute of Applied Physics, University of Tsukuba, Japan, 2.Department of Photonics, National Cheng-Kung University, Taiwan
18:00	E 15p-2E-10	Time-Resolved Observation of Dynamical Franz-Keldysh Effect under Coherent Multi-Cycle Terahertz Pulses	○ Hideki Hirori ^{1,2} , Kento Uchida ¹ , Koichiro Tanaka ¹ , Tomohito Ootobe ³ , Toshimitsu Mochizuki ⁴ , Changsu Kim ⁴ , Masahiro Yoshita ⁴ , Hidefumi Akiyama ⁴ , Loren Pfeiffer ⁵ , Ken West ⁵	1.Kyoto Univ., 2.JST-PRESTO, 3.JAEA, 4.Univ. of Tokyo, 5.Princeton Univ.
18:15	E 15p-2E-11	Metamaterials to Improve Terahertz-wave Real-Time Imaging System	○ Zhengli Han ¹ , Seigo Ohno ² , Yu Tokizane ¹ , Kouji Nawata ¹ , Mio Koyama ¹ , Takashi Notake ¹ , Yuma Takida ¹ , Shinichiro Hayashi ¹ , Hiroaki Minamide ¹	1.RIKEN, 2.Tohoku Univ.
18:30	E 15p-2E-12	Electrical transport properties in phase-separated manganite nanowires investigated using terahertz time domain spectroscopy	○ Anh Nguyen ¹ , Azusa N. Hattori ¹ , Masaya Nagai ² , Takuro Nakamura ¹ , Kohei Fujiwara ³ , Masaaki Ashida ² , Hidekazu Tanaka ¹	1.ISIR, Osaka University, 2.Graduate School of Engineering Science, Osaka University, 3.Ins. for Materials Research, Tohoku University

6 薄膜・表面 / Thin Films and Surfaces

シンポジウムは p.53~p.59 にございます。

6.1 強誘電体薄膜 / Ferroelectric thin films

9/14(Mon.) 9:30 - 11:30 ポスター講演 (Poster Presentation) PA1 会場				
14a-PA1-1		強誘電体厚膜へのプロトン照射効果	○山口 正樹 ^{1,2} , 西川 宏之 ^{1,2} , 増田 陽一郎 ³	1. 芝浦工大, 2. 芝浦工大 RCGI, 3. 八戸工大
14a-PA1-2	(001) および (111) 配向した BiFeO ₃ 極薄膜の自発分極の保持特性	○ (D) 一ノ瀬 智浩 ¹ , 永沼 博 ¹ , 大兼 幹彦 ¹ , 安藤 康夫 ¹		1. 東北大院工
14a-PA1-3	ゾル-ゲル法により作製した (Na,K)NbO ₃ 薄膜の EPMA 分析	○田中 清高 ¹ , 山崎 陽子 ¹ , 玉岡 悟司 ¹ , 柿本 健一 ¹		1. 名工大
14a-PA1-4	Li ₂ O-B ₂ O ₃ 系酸化物を添加した (K,Na)NbO ₃ 圧電体薄膜の作製と評価	○岩田 光範 ¹ , 林 幸老朗 ¹ , 坂本 渉 ¹ , 飯島 高志 ² , 由比 藤 勇 ³ , 竹内 輝明 ³ , 余語 利信 ¹		1. 名大エコトピア研, 2. 産総研つくば, 3. 早大ナノ理工
14a-PA1-5	PZT 薄膜プロセスモニター Pr と d ₃₃ の比較	○牧本 なつみ ¹ , 伊藤 寿浩 ^{1,2} , 小林 健 ¹		1. 産総研, 2. 東大
14a-PA1-6	電界の不均一性が強誘電性高分子の分極反転に与える影響	○宝田 隼 ¹ , 古川 昭雄 ¹		1. 東理大理工
9/15(Tue.) 9:00 - 12:15 口頭講演 (Oral Presentation) 2L 会場				
9:00	15a-2L-1	SrTiO ₃ バイクリスタル基板への BiFeO ₃ 薄膜の作製 (II)	○ (M1) 瀬戸 翔太 ¹ , 中嶋 誠二 ¹ , 藤沢 浩訓 ¹ , 清水 勝 ¹	1. 兵庫県大工
9:15	E 15a-2L-2	Electrical properties of 100-oriented (1-x)BiFeO ₃ -x(Bi _{0.5} K _{0.5})TiO ₃ thin films on LaNiO ₃ electrode	○ (D) JINHONG CHOI ¹ , Takeshi Yoshimura ¹ , Norifumi Fujimura ¹	1.Osaka Pref. Univ.
9:30	15a-2L-3	RF マグネトロンスパッタリング法による [110] 高配向 Ba(Ce,Y)O ₃ ベロブスカイト薄膜の作製	佐藤 智也 ¹ , 一ノ瀬 大地 ² , 舟窪 浩 ² , 〇内山 潔 ¹	1.NIT 鶴岡高専, 2. 東工大総理工
9:45	15a-2L-4	ナノシート界面層を利用した BaTiO ₃ 薄膜の選択配向成長	野口 慶人 ¹ , 茂木 翔太 ¹ , 舟窪 浩 ² , 〇内田 寛 ¹	1. 上智大理工, 2. 東工大物創
10:00	15a-2L-5	チタン酸バリウムナノキューブ集積体 / PVDF コンポジット膜の電気特性	○三村 憲一 ¹ , 加藤 一実 ¹	1. 産総研
10:15	15a-2L-6	異なる CoFe ₂ O ₄ 添加量の CoFe ₂ O ₄ ナノピラー導入 BaTiO ₃ 薄膜の作製	○曾田 昇吾 ¹ , 一野 祐亮 ¹ , 吉田 隆 ¹	1. 名大工
10:30	休憩 / Break			
10:45	奨 15a-2L-7	Bi ₂ Ti ₃ FeO ₁₅ -CoFe ₂ O ₄ 相分離薄膜におけるナノ構造の成長温度依存性	○川平 祐太 ¹ , 丸山 伸臣 ¹ , 松本 祐司 ¹	1. 東北大院工
11:00	奨 15a-2L-8	ニオブ酸リチウム系薄膜の可視光起電力特性評価	○大塚 淳 ¹ , 高橋 秀輔 ¹ , 井上 亮太郎 ² , 野口 祐二 ¹ , 宮山 勝 ¹	1. 東大院工, 2. 日本大医
11:15	奨 15a-2L-9	Mn ドープによる BiFeO ₃ 強誘電体薄膜における光起電力特性の向上	○ (D) 松尾 拓紀 ¹ , 北中 佑樹 ¹ , 野口 祐二 ¹ , 宮山 勝 ¹	1. 東大院工
11:30	15a-2L-10	遷移金属元素をドーブした単ドメイン BiFeO ₃ 薄膜の異常光起電力効果	○ (M1) 高山 幸太 ¹ , 中嶋 誠二 ¹ , 藤沢 浩訓 ¹ , 清水 勝 ¹	1. 兵庫県大工
11:45	15a-2L-11	強相関系強誘電体 YMnO ₃ 薄膜の光誘起電流の起源	○張 樂駿 ¹ , 宇賀 洋志 ¹ , 芦田 淳 ¹ , 吉村 武 ¹ , 藤村 紀文 ¹	1. 大阪府大院
12:00	15a-2L-12	ドメインを導入した BaTiO ₃ 単結晶の異方的電気伝導性と局所電子状態	○大澤 健男 ¹ , 廣瀬 左京 ^{1,2} , 上田 茂典 ¹ , 大橋 直樹 ¹	1. 物材機構, 2. 村田製作所, 3. 東工大・元素戦略
9/15(Tue.) 13:45 - 17:15 口頭講演 (Oral Presentation) 2L 会場				
13:45	奨 15p-2L-1	斜方晶 Sr ₂ Fe ₂ O ₇ エピタキシャル薄膜の作製と特性評価	○浜崎 容丞 ¹ , 安井 伸太郎 ¹ , 谷山 智康 ¹ , 伊藤 満 ¹	1. 東工大 応セラ研
14:00	15p-2L-2	新規非鉛強誘電体 Bi ₂ ZnTi _{1-x} Mn _x O ₆ 薄膜の育成	○富永 健 ¹ , 北條 元 ¹ , 清水 啓祐 ¹ , 松田 奈瑠美 ¹ , 正樹 ¹	1. 東工大 応セラ
14:15	15p-2L-3	{100}, {111} 配向 Pb(Zr,Ti)O ₃ ナノロッドのドメイン構造とそのサイズ依存性	○山田 智明 ^{1,2} , 伊藤 大介 ¹ , 坂田 修身 ^{3,4} , 黒石 隼輝 ⁵ , 生津 資大 ¹ , 清水 荘雄 ⁴ , 舟窪 浩 ⁴ , 吉野 正人 ¹ , 究機構, 4. 東工大, 5. 兵庫県立大	1. 名古屋大, 2.JST さきがけ, 3. 物質・材料研
14:30	15p-2L-4	{100}/(001) 配向エピタキシャル PbTiO ₃ 膜におけるドメイン構造に及ぼす温度と格子歪みの影響	○舟窪 浩 ¹ , 中島 崇明 ¹ , 一ノ瀬 大地 ¹ , 江原 祥隆 ¹ , 中島 光雅 ¹ , 清水 荘雄 ¹ , 小林 健 ² , 飯島 高志 ² , 山田 智明 ^{3,4}	1. 東工大, 2. 産総研, 3. 名大, 4.PRESTO
14:45	奨 15p-2L-5	正方晶 Pb(Zr,Ti)O ₃ 薄膜における Zr/(Zr+Ti) 比のドメイン構造への影響	○一ノ瀬 大地 ¹ , 中島 崇明 ¹ , 江原 祥隆 ¹ , 清水 荘雄 ¹ , 坂田 修身 ^{2,3} , 山田 智明 ^{4,5} , 舟窪 浩 ¹	1. 東工大, 2.NIMS, 3.Spring-8, 4. 名大, 5.PRESTO