

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2008/09/01	Moving Object Detection and Tracking in Open-air Test Bed	COMPUTING AND INFORMATIONICS	Vol.27 No.5 pp.719–730	YAMAZAKI Tatsuya TOYOMURA Tetsuo KAYAMA Kentaro IGI Seiji
2008/09/01	Space weather center in Japan	Advances in Space Research	Vol.42 No.9 pp.1445–1449	WATARI Shin-ichi
2008/09/01	Simulating Range Oversampled Doppler Radar Profiles of Inhomogeneous Targets	JOURNAL OF ATMOSPHERIC AND OCEANIC TECHNOLOGY	Vol.25 No.9 pp.1514–1528	Nick Schutgens
2008/09/01	Decentralized architecture for resource management of group-based distributed systems	Journal of Frontiers of Computer Science in China (FCSC)	Vol.2 No.3 pp.224–233	Zhang Rong ZETTSU Koji KIDAWARA Yutaka KIYOKI Yasushi
2008/09/07	MOLECULAR MOTORS Keep on moving	Nature Nanotechnology	Vol.3 No.9 pp.531–532	OIWA Kazuhiro KOJIMA Hiroaki
2008/09/09	Electrodynamics of the formation of ionospheric wave number 5 longitudinal structure	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.113 A09307 pp.1–7	ZIN Hidekatsu MIYOSHI Yasunobu* FUJIWARA Hitoshi* SHINAGAWA Hiroyuki
2008/09/09	Meteor-induced transient sporadic E as inferred from rapid-run ionosonde observations at midlatitudes	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.113 A09308 pp.1–7	MARUYAMA Takashi KATO Hisao NAKAMURA Maho
2008/09/10	Acquiring Concept Hierarchies of Adjectives from Corpora: Towards Construction of Ontology of Adjectives from a real data	The Association for Natural Language Processing	Vol.15 No.4 pp.59–88	KANZAKI Kyoko Ma Qing YAMAMOTO Eiko SHIRADO Tamotsu ISAHARA Hitoshi
2008/09/12	Mobile quantum cryptography enhances secure communications	SPIE Newsroom	pp.1–3	TOYOSHIMA Morio Schaefer Christian Andreas SHOJI Yozo TAKAYAMA Yoshihisa KUNIMORI Hiroo TAKEOKA Masahiro FUJIWARA Mikio SASAKI Masahide
2008/09/18	Thermospheric meridional winds as deduced from ionosonde chain at low and equatorial latitudes and their connection with midnight temperature maximum	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.113 A09316 pp.1–9	MARUYAMA Takashi SAITO Susumu KAWAMURA Masafumi NOZAKI Kenro
2008/10/01	Evaluation of hierarchical Bayesian method through retinotopic brain activities reconstruction from fMRI and MEG signals	NEUROIMAGE	Vol.42 No.4 pp.1397–1413	YOSHIOKA Taku TOYAMA Keisuke KAWATO Mitsuo YAMASHITA Okito NISHINA Shigeaki* YAMAGISHI Noriko SATO Masa-aki*
2008/10/01	Temporary and spatially located delivery of olfactory stimulus to keep people awake	Information Processing Society of Japan	Vol.49 No.10 pp.3559–3566	OOSHIMA Chika WADA Atsushi ANDO Hiroshi MATSUO Noriyoshi YANAGIDA Yasuyuki* ABE Shinji*
2008/10/01	Broadcasting with Randomized Network Coding in Dense Wireless Ad Hoc Networks	IEICE TRANSACTIONS ON COMMUNICATIONS	E91-B No.10 pp.3216–3225	MATSUDA Takahiro NOGUCHI Taku TAKINE Tetsuya
2008/10/01	Three-dimensional image reconstruction of real objects by electronic holography applying viewing-zone enlargement method to conversion of integral photography into hologram	The Institute of Image Information and Television Engineers	Vol.62 No.10 pp.1565–1572	MISHINA Tomoyuki OI Ryutarō ARAI Jun OKANO Fumio OKUI Makoto
2008/10/01	Human brain activity time-locked to rapid eye movements during REM sleep	EXPERIMENTAL BRAIN RESEARCH	Vol.192 No.4 pp.657–667	MIYAUCHI Satoru MISAKI Masaya KAN Shigeyuki FUKUNAGA Takahide KOIKE Takahiko
2008/10/01	A Study on Cross Transformation of Mongolian Language	The Association for Natural Language Processing	Vol.15 No.5 pp.3–21	Dawa Idomuco NAKAMURA Satoshi
2008/10/01	Categorization of Mobile Phones for Exposure Assessment in Epidemiological Studies on Mobile Phone Use and Brain Cancer Risk	IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES	Vol.56 No.10 pp.2377–2384	Nadge Varsier WAKE Kanako TAKI Masao WATANABE Soichi E. Cardis* J. Wiart* N. Yamaguchi*

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

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2008/10/07	Improving GA performance by MGG with global selection in DS-GA	The Japanese Society for Artificial Intelligence	Vol.23 No.6 pp.526–539	NAKAYAMA Kohichi MATSUI Hirokazu* INOUE Naomi
2008/10/15	Neural correlates of predictive and postdictive switching mechanisms for internal models	JOURNAL OF NEUROSCIENCE	Vol.28 No.42 pp.10751–10765	IMAMIZU Hiroshi KAWATO Mitsuo*
2008/10/17	Study on quality improvement of electronic holography for ultra-realistic communication	The Institute of Image Electronics Engineers of Japan	Vol.37 No.5 pp.637–644	SENOH Takanori MISHINA Tomoyuki OKUI Makoto
2008/10/20	A network cell with molecular agents that divides from centrosome signals	BIOSYSTEMS	Vol.94 pp.118–125	SUZUKI Hideaki
2008/10/25	H ₂ O Maser Outflow from the Red Supergiant Star NML Cygni Observed with Japanese VLBI Network	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN	Vol.60 No. 5 pp.1069–1075	NAGAYAMA Takumi TAKEDA Koji* OMODAKA Toshihiro* IMAI Hiroshi* KAMENO Seiji* SOFUE Yoshiaki* DOI Akihiro* FUJISAWA Kenta* HABE Asao* HONMA Mareki* KAWAGUCHI Noriyuki* KAWAI Eiji KOBAYASHI Hideyuki* KOYAMA Yasuhiro MURATA Yasuhiro* SORAI Kazuo* SUDOU Hiroshi* TAKABA Hiroshi* TAMURA Sayaka* WAKAMATSU Ken-ichi*
2008/10/29	CNS Learns Stable, Accurate, and Efficient Movements Using a Simple Algorithm	JOURNAL OF NEUROSCIENCE	Vol.28 No.44 pp.11165–11173	David Franklin Etienne Burdet* Keng Peng Tee* OSU Rieko Chee-Meng Chew* Theodore Milner* KAWATO Mitsuo*
2008/10/31	Nanophotonic Matching by Optical Near-Fields between Shape-Engineered Nanostructures	Applied Physics Express	Vol.1 No.11 pp.112101-1-112101-3	NARUSE Makoto YATSUI Takashi* KAWAZOE Tadashi* TATE Naoya* SUGIYAMA Hiroki* OHTSU Motoichi*
2008/11/01	Measurement and simulation of the effect of snowfall on free-space optical propagation	APPLIED OPTICS	Vol.47 No.31 pp.5736–5743	AKIBA Makoto OGAWA Kayo* WAKAMORI Kazuhiko* KODATE Kashiko* ITO Shigeo*
2008/11/01	Photon detection for realizing quantum information technology	The Institute of Electronics, Information and Communication Engineers	Vol.91 No.11 pp.952–958	SASAKI Masahide FUJIWARA Mikio
2008/11/01	A measurement method of a display image signal contained in electromagnetic signal emitted from a personal computer and an evaluation for information leakage of a display image	The Institute of Electronics, Information and Communication Engineers	J91-B No.11 pp.1477–1483	SEKIGUCHI Hidenori
2008/11/01	Exact Error Rate Analysis for Pulsed DS- and Hybrid DS/TH-CDMA in Nakagami Fading	IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES	E91-A No.11 pp.3150–3162	Azizur Rahman SASAKI Shigenobu* KIKUCHI Hisakazu* Hiroshi Harada KATO Shuzo
2008/11/01	Development of automatic trend exploration system using MuST data collection	Journal of Information	Vol.11 No.6 pp.811–827	MURATA Masaki ICHII Koji* Ma Qing SHIRADO Tamotsu KANAMARU Toshiyuki* TSUKAWAKI Sachiyo ISAHARA Hitoshi
2008/11/01	Research and development on elemental technologies for cognitive radio equipments	The Institute of Electronics, Information and Communication Engineers	J91-B No.11 pp.1320–1331	HARADA Hiroshi
2008/11/01	Combining modalities with different latencies for optimal motor control	JOURNAL OF COGNITIVE NEUROSCIENCE	Vol.20 No.11 pp.1966–1979	Fredrick Carl Bissmarck NAKAHARA Hiroyuki* DOYA Kenji* HIKOSAKA Okihide*
2008/11/04	10-Gbps, 1- μ m waveband photonic transmission with a harmonically mode-locked semiconductor laser	OPTICS EXPRESS	Vol.16 No. 24 pp.19836–19843	YAMAMOTO Naokatsu SOTOBAYASHI Hideyuki* AKAHANE Koichi TSUCHIYA Masahiro TAKASHIMA Keijiro* YOKOYAMA Hiroyuki*

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

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2008/11/07	Proportion-corrected scaled voxel models for Japanese children and their application to the numerical dosimetry of specific absorption rate for frequencies from 30 MHz to 4 GHz	PHYSICS IN MEDICINE AND BIOLOGY	Vol.53 pp.6695–6711	NAGAOKA Tomoaki KUNIEDA Etsuo* WATANABE Soichi
2008/11/08	Simultaneous tunable wavelength conversion and power amplification using a pump-modulated wide-band fiber optical parametric amplifier	IEICE TRANSACTIONS ON COMMUNICATIONS	E91-B No.11 pp.3712–3714	Lu Guo-Wei Abedin Kazi Sarwar MIYAZAKI Tetsuya
2008/11/12	Optimal Frame Splitting for Downlink MIMO Channels With Distributed Antenna Arrays	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY	Vol.57 No.6 pp.3848–3854	Sun Chen Thomas Hunziker* Jun Cheng* TAROMARU Makoto* OHIRA Takashi*
2008/11/18	Postured voxel-based human models for electro-magnetic dosimetry	PHYSICS IN MEDICINE AND BIOLOGY	Vol.53 pp.7047–7061	NAGAOKA Tomoaki WATANABE Soichi
2008/11/21	Ultra-high Relative Refractive Index Contrast GaAs Nanowire Waveguides	Applied Physics Express	Vol.1 No.12 pp.122101-1-122101-3	Redouane Katouf YAMAMOTO Naokatsu KANNO Atsushi SEKINE Norihiko AKAHANE Koichi SOTOBAYASHI Hideyuki ISU Toshiro TSUCHIYA Masahiro
2008/11/25	Decay of 3-m-scale ionospheric irregularities associated with a plasma bubble observed with the Equatorial Atmosphere Radar	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.113 A11318 pp.1–11	SAITO Susumu FUKAO Shoichiro* YAMAMOTO Mamoru* OTSUKA Yuichi* MARUYAMA Takashi
2008/11/25	Human brain mechanisms in object recognition based on 3D shape of objects	JAPANESE PSYCHOLOGICAL REVIEW	Vol.51 No.2 pp.330-346	NISHINO Yurie ANDO Hiroshi
2008/11/26	Consolidation-based Speech Translation and Evaluation Approach	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	E92-D No.3 pp.477–488	HORI Chiori Bing Zhao* Stephan Vogel* Alex Waibel* KAHIWAOKA Hideki NAKAMURA Satoshi
2008/11/30	Systems Biology Perspectives on Cerebellar Long-Term Depression	NEURO SIGNALS	Vol.16 No.4 pp.300–317	OGASAWARA Hideaki DOI Tomokazu* KAWATO Mitsuo*
2008/12/01	Sequential integration of graphical and linguistic presentation systems	Japanese Cognitive Science Society	Vol.15 No.4 pp.573–587	UMATA Ichiro SHIMOJIMA Atsushi* KATAGIRI Yasuhiro* INOUE Naomi
2008/12/01	The voice communication experiment by the small portable communication terminal using the engineering test satellite VIII	The Institute of Electronics, Information and Communication Engineers	J91-B No.12 pp.1620–1628	YAMAMOTO Shin-ichi KOZONO Shin-ichi HAMAMOTO Naokazu
2008/12/01	Development of helicopter satellite communication system for the disaster information transmission	The Institute of Electronics, Information and Communication Engineers	J91-B No.12 pp.1611–1619	FUJINO Yoshiyuki SATO Masaki NAGAI Seiji TAIRA Shin-ichi OZAKI Yutaka* WATANABE Eiji* SAWA Manabu* TANAKA Yukio* KUSUDA Tetsuya*
2008/12/01	Estimation of aroma that enhances reality from visual images	Information Processing Society of Japan	Vol.49 No.12 pp.3867–3878	OOSHIMA Chika NAKAYAMA Koichi ANDO Hiroshi SUSAMI Kenji INOUE Naomi
2008/12/01	Adaptive threshold adjustment for signal distortion-free digital-coherent optical demodulation system	OPTICS EXPRESS	Vol.16 No.26 pp.21647–21655	CHIBA Akito SAKAMOTO Takahide KAWANISHI Tetsuya
2008/12/01	Real-time estimation of geosynchronous orbit: performance test	The Institute of Electronics, Information and Communication Engineers	J91-B No.12 pp.1547–1554	KAWASE Seiichiro
2008/12/01	Satellite-terrestrial integrated mobile communication system for nation's security and safety	The Institute of Electronics, Information and Communication Engineers	J91-B No.12 pp.1629–1640	MINOWA Tadashi TANAKA Masato HAMAMOTO Naokazu FUJINO Yoshiyuki NISHINAGA Nozomu MIURA Ryu SUZUKI Kenji
2008/12/01	Experimental Demonstration of RZ-9-APSK Generation through Optical Amplitude and Phase Multiplexing	IEEE PHOTONICS TECHNOLOGY LETTERS	Vol.20 No.23 pp.1995–1997	Lu Guo-Wei MIYAZAKI Tetsuya

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

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2008/12/01	Ultrathin AlN/GaN heterostructure field-effect transistors with deposition of Si atoms on AlN barrier surface	APPLIED PHYSICS LETTERS	Vol.93 No.223501 pp.1-3	ONOJIMA Norio HIROSE Nobumitsu MIMURA Takashi MATSUI Toshiaki
2008/12/01	Real-life Experimental Data Acquisition in Smart Home and Data Analysis Tool Development	International Journal of Assistive Robotics and Mechatronics	Vol.9 No.4 pp.55-62	YAMAZAKI Tatsuya TOYOMURA Tetsuo
2008/12/01	Generation of large-amplitude coherent-state superposition via ancilla-assisted photon subtraction	PHYSICAL REVIEW LETTERS	Vol.101 No.233605 pp.1-4	TAKAHASHI Hiroki WAKUI Kentaro SUZUKI Shigenari TAKEOKA Masahiro HAYASAKA Kazuhiro FURUSAWA Akira SASAKI Masahide
2008/12/01	Blind source separation of chaotic laser signals by independent component analysis	OPTICS EXPRESS	Vol.16 No.2 pp.725-730	UMENO Ken
2008/12/01	A Remedy for Network Operators against Increasing P2P Traffic: Enabling Packet Cache for P3P Applications	IEICE TRANSACTIONS ON COMMUNICATIONS	E91-B No.12 pp.3810-3820	NAKAO Akihiro SASAKI Kengo* Shu YAMAMOTO
2008/12/04	Characterization of large-scale deployable antenna pattern equipped with engineering test satellite VIII on orbit	The Institute of Electronics, Information and Communication Engineers	J91-B No.12 pp.1641-1643	SATO Masaki FUJINO Yoshiyuki ORIKASA Teruaki
2008/12/10	Visual image reconstruction from human brain activity using a combination of multiscale local image decoders	NEURON	Vol.60 No.5 pp.915-929	MIYAWAKI Yoichi UCHIDA Hajime* YAMASHITAOKito* SATO Masa-aki* MORITO Yusuke* TANABE C Hiroki* SADATO Norihiro* Yukiyasu Kamitani*
2008/12/15	Do you make a difference? Social context in a betting task	Social Cognitive and Affective Neuroscience Journal	Vol.3 No.4 pp.367-376	Noberto Eiji Nawa Eric Nelson* Daniel Pine* Monique Ernst*
2008/12/15	Time-correlated single photon counting and optical measurement systems for studying single fluorescent emitters under high vacuum conditions	THIN SOLID FILMS	Vol.517 pp.1507-1511	YAMADA Toshiki GOSHI Ken-ichi Xu Xingsheng OTOMO Akira
2008/12/18	DPSK Multicast using Multiple-Pump FWM in Bismuths Highly Nonlinear Fiber with High Multicast Efficiency	OPTICS EXPRESS	Vol.16 No.26 pp.21964-21970	Lu Guo-Wei Abedin Kazi Sarwar MIYAZAKI Tetsuya
2008/12/20	Quantum efficiency of GaAs/AlGaAs thin films with two-dimensional photonic crystals	APPLIED PHYSICS B-LASERS AND OPTICS	Vol.93 pp.539-543	Xu Xingsheng YAMADA Toshiki OTOMO Akira
2008/12/21	Passive Ranging System for Orbit Determination of Geosynchronous Satellite	The Institute of Electronics, Information and Communication Engineers	J91-B No.12 pp.1555-1560	KUBOOKA Toshihiro KAWASE Seiichiro TAKAHASHI Masaaki* TANIGUCHI Syohei* KOBAYASHI Koutaro* MAENO Yasunobu*
2008/12/23	Single-photon source in strong photon-atom interaction regime in quasiperiodic photonic crystals	EPL Euro Physics Letters	Vol.84 No.67003 pp.1-6	Xu Xingsheng H. Chen* YAMADA Toshiki OTOMO Akira
2008/12/25	Forecasting Solar Cycle 24 using the relationship between cycle length and maximum sunspot number	SPACE WEATHER-THE INTERNATIONAL JOURNAL OF RESEARCH AND APPLICATIONS	Vol.6 S12003 pp.1-6	WATARI Shin-ichi
2008/12/25	Development of the K5/VSSP system	Journal of the Geodetic Society of Japan	Vol.54 No.4 pp.233-248	KONDO Tetsuro KOYAMA Yasuhiro ICHIKAWA Ryuichi SEKIDO Mamoru KAWAI Eiji KIMURA Moritaka
2008/12/26	Evaluation of a Laser-pumped Cs Gas-cell Frequency Standard on Geodetic VLBI	The Geodetic Society of Japan	Vol.54 No.4 pp.259-268	ISHII Tsutoshi ICHIKAWA Ryuichi TAKIGUCHI Hiroshi KUBOKI Hiromitsu SEKIDO Mamoru KOYAMA Yasuhiro OHUCHI Yuji*

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2008/12/30	Observations of small- to large-scale ionospheric irregularities associated with plasma bubbles with a transequatorial HF propagation experiment and spaced GPS receivers	Journal of Geophysical Research	Vol.113 A12313 pp.1–10	SAITO Susumu MARUYAMA Takashi ISHII Mamoru KUBOTA Minoru Guanyi Ma* Yanhong Chen* Jinghua Li* Chau Ha Duyen* Thanh Le Trung*
2008/12/30	Navigation and Communication Aid for Paramedics to Reach Casualties for Telemedicine in Disaster Response	Journal of eHealth Technology and Application	Vol.6 No.2 pp.105–108	TAKAHASHI Masato
2008/12/31	Adaption of the VLBI Standard Interface to the K5 VLBI System	The Geodetic Society of Japan	Vol.54 No.4 pp.249–258	KOYAMA Yasuhiro KONDO Tetsuro SEKIDO Mamoru NAKAJIMA Jun-ichi KIMURA Moritaka TAKEUCHI Hiroshi*
2009/01/01	Exciton coherence in semiconductor quantum dots	Physica Status Solidi (c)	Vol.6 No.1 pp.162–167	HAYASE Junko AKAHANE Koichi YAMAMOTO Naokatsu KUJIRAOKA Mamiko EMA Kazuhiro* SASAKI Masahide
2009/01/01	Cellular Nanocomputers: a Focused Review	International Journal of Nanotechnology and Molecular Computation	Vol.1 No.1 pp.33–49	Peper Ferdinand Jia Lee* ADACHI Susumu ISOKAWA Teijiro*
2009/01/01	Towards the Engineering of Dependable P2P-based Network Control - The Case of Timely Routing Control Messages	IEICE TRANSACTIONS ON COMMUNICATIONS	E92-B No.1 pp.17–25	Tutschku Kurt NAKAO Akihiro
2009/01/01	Non-Factoid Japanese Question Answering System Using Passage Retrieval that Is Weighted Based on Types of Answers	Journal of Information	Vol.12 No.1 pp.117–126	MURATA Masaki ISAHARA Hitoshi
2009/01/05	Integer phase ambiguity estimation in next-generation geodetic Very Long Baseline Interferometry	ADVANCES IN SPACE RESEARCH	Vol.43 No.1 pp.187–192	Hobiger Thomas SEKIDO Mamoru KOYAMA Yasuhiro KONDO Tetsuro
2009/01/05	Distribution of Labour Productivity in Japan over the Period 1996-2006	Economics E-journal	2009 No.2 pp.1–12	SOMA Wataru IKEDA Yuichi* IYETOMI Hiroshi* FUJIWARA Yoshihisa
2009/01/05	Structure and Temporal Change of Credit Network between Banks and Large Firms in Japan	Economics E-journal	2009 No.1 pp.1–15	FUJIWARA Yoshihisa AOYAMA Hideaki* IKEDA Yuichi* IYETOMI Hiroshi* SOMA Wataru
2009/01/10	A Solution for Irregular IP Multicast Packet Flooding -For Heavy Traffic IP Multicast Communication-	IEICE TRANSACTIONS ON COMMUNICATIONS	E92B No.1 pp.68–76	MISUMI Makoto NAKAGAWA Shin-ichi CHINEN Ken-ichi* SHINODA Yoichi YAMAOKA Katsunori*
2009/01/12	Overdamped characteristics of multilayered MgB2 /AlN/Al/MgB2 Josephson junction	JOURNAL OF APPLIED PHYSICS	Vol.105 13918 pp.1–4	SHIMAKAGE Hisashi Zhen Wang
2009/01/20	Reduction in Sampling-Point Numbers for 2-D Discrete Fourier Transform Used in Harmonic Balance Method	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS	Vol.55 No.9 pp.2664–2672	HORI Hiroshi
2009/01/23	The Formation of Sharp Multi-Layered Wind Structure over Tokyo Associated with Sea-breeze Circulation	SOLA	Vol.5 pp.1–4	TSUNEMATSU Nobumitsu IWAI Hironori ISHII Shoken MURAYAMA Yasuhiro YASUI Motoaki MIZUTANI Kohei
2009/02/01	Early neural activation for lexico-semantic access in the left anterior temporal area analyzed by an fMRI-assisted MEG multidipole method	NEUROIMAGE	Vol.44 No.3 pp.1093–1102	FUJIMAKI Norio HAYAKAWA Tomoe* IHARA Aya Wei Qiang MUNETSUNA Shinji* TERAZONO Yasushi MATANI Ayumu* MURATA Tsutomu
2009/02/01	Mitigation Techniques of Channel Collisions in the TFFR-Based Asynchronous Spectral Phase-Encoded Optical CDMA System	JOURNAL OF COMMUNICATIONS AND NETWORKS	Vol.11 No.1 pp.1–10	MIYAZAWA Takaya SASASE Iwao*

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2009/02/01	Quasiperiodic small meanders of the Kuroshio off Cape Ashizuri and their inter-annual modulation caused by quasiperiodic arrivals of mesoscale eddies	JOURNAL OF OCEANOGRAPHY	Vol.65 No.1 pp.73–80	KASHIMA Motohiko ITO Shin-ichi* ICHIKAWA Kaoru* IMAWAKI Shiro* UMATANI Shin-ichiro* UCHIDA Hiroshi* SETOU Takashi*
2009/02/01	Field Trial of Duplex, 10 Gbps x 8-user DPSK-OCDMA System using a single 16x16 Multi-port Encoder/Decoder and 16-level Phase-shifted SSFBG Encoder/Decoders	JOURNAL OF LIGHTWAVE TECHNOLOGY	Vol.27 No.3 pp.299–305	KATAOKA Nobuyuki WADA Naoya Xu Wang* Gabriella Cincotti* A. Sakamoto* TERADA Yoshihiro* MIYAZAKI Tetsuya KITAYAMA Ken-ichi*
2009/02/01	Channel Model on Various Frequency Bands for Wearable Body Area Network	IEICE TRANSACTIONS ON COMMUNICATIONS	E92-B No.2 pp.418–424	KATAYAMA Norihiko TAKIZAWA Ken-ichi AOYAGI Takahiro TAKADA Jun-ichi Li Huan-Bang KONO Ryuji
2009/02/01	Localization of gene products using a chromosomally tagged GFP-fusion library in the fission yeast <i>Schizosaccharomyces pombe</i>	GENES TO CELLS	Vol.14 pp.217–225	HAYASHI Aki Da-Qiao Ding TSUTSUMI Chihiro CHIKASHIGE Yuji MASUDA Hirohisa HARAGUCHI Tokuko HIRAOKA Yasushi
2009/02/01	Reservation-based Dynamic TDMA Protocol for Medical Body Area Networks	IEICE TRANSACTIONS ON COMMUNICATIONS	E92-B No.2 pp.387–395	Li Changle Li Huan-Bang KONO Ryuji
2009/02/03	Alfvén wave evolution within corotating interaction regions associated with the formation of magnetic holes/decreases	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.114 A02101 pp.1–7	TSUBOUCHI Ken
2009/02/12	RZ-DPSK OTDM demultiplexing using fibre optical parametric amplifier with clock-modulated pump	ELECTRONICS LETTERS	Vol.45 No.4 pp.221–222	Lu Guo-Wei Abedin Kazi Sarwar MIYAZAKI Tetsuya M. E. Marhic*
2009/02/15	Experimental Demonstrations of All-Optical Phase-Multiplexing Using FWM-Based Phase Interleaving in Silica and Bismuth-Oxide HNLFs	JOURNAL OF LIGHTWAVE TECHNOLOGY	Vol.27 No.4 pp.409–416	Lu Guo-Wei Abedin Kazi Sarwar MIYAZAKI Tetsuya
2009/02/15	Application of femtosecond laser frequency combs toward frequency stability measurement for DECIGO light source	The Laser Society of Japan	Vol.37 No.2 pp.102–107	NAGANO Shigeo ITO Hiroyuki HOSOKAWA Mizuhiko
2009/02/19	Terahertz quantum cascade lasers	Optical Society of Japan	Vol.38 No.2 pp.72–80	SEKINE Norihiko HOSAKO Iwao
2009/02/24	Development of a Disaster Information Collection System using Cellular Phone	Japan Association for Earthquake Engineering	Vol.9 No.2 pp.102–112	Jeong Byeong-pyo ZAMA Shinsuke* TAKIZAWA Osamu ENDO Makoto* SHIBAYAMA Akihiro
2009/02/25	The effect of neglecting VLBI reference station clock offsets on UT1 estimates	ADVANCES IN SPACE RESEARCH	Vol.43 No.6 pp.910–916	Hobiger Thomas KOYAMA Yasuhiro Boehm Johannes KONDO Tetsuro ICHIKAWA Ryuichi
2009/02/27	Estimation of scan-gap limits on phase delay connections in Delta VLBI observations based on the phase structure function at a short time period	EARTH PLANETS AND SPACE	Vol.61 No.3 pp.357–371	KONDO Tetsuro Hobiger Thomas SEKIDO Mamoru ICHIKAWA Ryuichi KOYAMA Yasuhiro TAKABA Hiroshi*
2009/03/01	Optical Phase Add/Drop for Format Conversion between DQPSK and DPSK and its Application in Optical Label Switching Systems	IEEE PHOTONICS TECHNOLOGY LETTERS	Vol.21 No.5 pp.322–324	Lu Guo-Wei MIYAZAKI Tetsuya
2009/03/01	Training Set Selection for Building Compact and Efficient Language Models	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	E92-D No.3 pp.506–511	YASUDA Kei YAMAMOTO Hiroshi SUMITA Eiichiro
2009/03/01	Cross talk elimination using an aperture for recording elemental images of integral photography	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION	Vol.26 No.3 pp.680–690	YAMAMOTO Kenji MISHINA Tomoyuki Oi Ryutarō SENOH Takanori OKUI Makoto

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2009/03/01	Mercury Ion Analyzer (MIA) onboard Mercury Magnetospheric Orbiter: MMO	ADVANCES IN SPACE RESEARCH	Vol.43 pp.1986–1992	MIYAKE Wataru SAITO Y.* HARADA M.* SAITO M.* HASEGAWA H.* IEDA A.* MACHIDA S.* NAGAI T.* NAGATSUMA Tsutomu SEKI K.* SHINOHARA I.* TERASAWA T.*
2009/03/01	On the deployment of dynamic taint analysis for application communities	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	E92-D No.3 pp.548–551	Kim Hyung Chan Angelos Keromytis*
2009/03/07	Influence of Surface-Based Stable Layer Development on Asian Dust Behaviour Over Tokyo	BOUNDARY-LAYER METEOROLOGY	Vol.131 No.2 pp.263–275	TSUNEMATSU Nobumitsu IWAI Hironori ISHII Shoken YASUI Motoaki MURAYAMA Yasuhiro MIZUTANI Kohei
2009/03/12	Measurements of geomagnetically induced current in a power grid in Hokkaido, Japan	SPACE WEATHER-THE INTERNATIONAL JOURNAL OF RESEARCH AND APPLICATIONS	Vol.7 S03002 pp.1–11	WATARI Shin-ichi KUNITAKE Manabu KITAMURA Kentaro* HORI Tomoaki* KIKUCHI Takashi SHIOKAWA Kazuo* NISHITANI N.* KATAOKA R.* KAMIDE Y.* ASO T.* WATANABE Y.* TSUNETANI Y.*
2009/03/15	Photostability of single-photon emission from a single quantum dot in the 651-nm wavelength band at room temperature	APPLIED PHYSICS B-LASERS AND OPTICS	Vol.94 pp.577–583	Xu Xingsheng YAMADA Toshiaki OTOMO Akira
2009/03/16	MEASUREMENT OF RADIATED COMPUTER RGB SIGNALS	Progress In Electromagnetics Research C -PIER	Vol.7 pp.1–12	SEKIGUCHI Hidenori SETO Shinji
2009/03/20	Analysis of surface roughness of optical elements planarized by nonadiabatic optical near-field etching	JAPANESE JOURNAL OF APPLIED PHYSICS	Vol.105 No.63516 pp.1–4	NARUSE Makoto YATSUI Takashi* NOMURA Wataru* HIRATA Kazuya* TABATA Yoshinori* OHTSU Motoichi*
2009/03/26	Linewidth-tolerant 30 Gbit/s 9-PSK self-homodyne using single modulator and phase-noise cancelling technique	ELECTRONICS LETTERS	Vol.45 No.7 pp.368–369	NAKAMURA Moriya KAMIO Yoshiyuki MIYAZAKI Tetsuya
2009/03/31	Uncertainties in the Rain Profiling Algorithm for the TRMM Precipitation Radar	JOURNAL OF THE METEOROLOGICAL SOCIETY OF JAPAN	Vol.87 A pp.1–30	IGUCHI Toshio KOZU Toshiaki* John Kwiatkowski* Robert Meneghini* AWAKA Jun* OKAMOTO Ken'ichi*
2009/04/01	Field Trial of 640-Gbit/s-Throughput, Granularity-Flexible Optical Network Using Packet-Selective ROADM Prototype	JOURNAL OF LIGHTWAVE TECHNOLOGY	Vol.27 No.7 pp.825–832	KATAOKA Nobuyuki SONE Kyosuke* WADA Naoya AOKI Yasuhiko* KINOSHITA Susumu* MIYATA Hiroshi* MIYAZAKI Tetsuya ONAKA Hiroshi* KITAYAMA Ken-ichi*
2009/04/01	Computational models of cerebellar long-term memory	Systems Biology: the Challenge of Complexity (Springer)	pp.169–182	OGASAWARA Hideaki KAWATO Mitsuo*
2009/04/01	Ultrastable Frequency Dissemination via Optical Fiber at NICT	IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT	Vol.58 No.4 pp.1223–1228	FUJIEDA Miho KUMAGAI Motohiro GOTO Tadahiro HOSOKAWA Mizuhiko
2009/04/01	Codon usage bias is correlated with gene expression levels in the fission yeast Schizosaccharomyces pombe	GENES TO CELLS	2009 No.14 pp.499–509	HIRAOKA Yasushi KAWAMATA Ken-ichi HARAGUCHI Tokuko CHIKASHIGE Yuji
2009/04/01	Delivery of Space Weather Information in Collaboration with the International Space Environment Service (ISES)	EARTH MOON AND PLANETS	Vol.104 No.1-4 pp.287–293	WATARI Shin-ichi David Boteler*
2009/04/02	Multi-compartment model can explain partial transfer of learning within the same limb between unimanual and bimanual reaching	EXPERIMENTAL BRAIN RESEARCH	Vol.194 No.3 pp.451–463	NOZAKI Daichi Stephen H. Scott*
2009/04/04	Brain mechanisms for predictive control by switching internal models: implications for higher-order cognitive functions	Psychological Research	Vol.73 No.4 pp.527–544	IMAMIZU Hiroshi KAWATO Mitsuo*

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2009/04/09	Identifying plasmonic modes in a circular paraboloidal geometry by quasi-separation of variables	Journal of Physics A-Mathematical and Theoretical	Vol.42 No.185401 pp.1-38	KURIHARA Kazuyoshi TAKAHARA Jun-ichi* YAMAMOTO Kazuhiro OTOMO Akira
2009/04/13	Backreflected radiation due to a propagating fiber fuse	OPTICS EXPRESS	Vol.17 No.8 pp.6525-6531	Abedin Kazi Sarwar NAKAZAWA Masataka* MIYAZAKI Tetsuya
2009/04/15	Establishment of Corpus-based Cancer Specific Term Set and its Characteristics	Journal of Natural Language Processing	Vol.16 No.2 pp.3-44	NAKAGAWA Shin-ichi UCHIYAMA Masao MISUMI Makoto* SHIMAZU Akira* SAKAI Yoshinori*
2009/04/15	Nonequilibrium Green's function calculation for four-level scheme terahertz quantum cascade lasers	APPLIED PHYSICS LETTERS	Vol.94 151109 pp.1-3	YASUDA Hiroaki Tillmann Kubis* Peter Vogl* SEKINE Norihiko HOSAKO Iwao HIRAKAWA H.*
2009/04/16	MEASUREMENT OF COMPUTER RGB SIGNALS IN CONDUCTED EMISSION ON POWER LEADS	Progress In Electromagnetics Research C	Vol.7 pp.51-64	SEKIGUCHI Hidenori SETO Shinji
2009/04/20	Medium-scale traveling ionospheric disturbances observed with the SuperDARN Hokkaido radar, all-sky imager, and GPS network and their relation to concurrent sporadic-E irregularities	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.114 A03316 pp.1-15	OGAWA Tadahiko NISHITANI N.* OTSUKA Y.* SHIOKAWA K.* TSUGAWA Takuya HOSOKAWA K.*
2009/04/20	Stable Operation of Femtosecond Laser Frequency Combs with Uncertainty at the 10-18 Level toward Optical Frequency Standards	JAPANESE JOURNAL OF APPLIED PHYSICS	Vol.48 42301 pp.1-8	NAGANO Shigeo ITO Hiroyuki Li Ying MATSUBARA Kensuke HOSOKAWA Mizuhiko
2009/05/01	Practical Correlation Analysis between Scan and Malware Profiles against Zero-Day Attacks based on Darknet Monitoring	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	E92-D No.5 pp.787-798	NAKAO Koji INOUE Daisuke ETO Masashi YOSHIOKA Katsunari*
2009/05/01	Automated Malware Analysis System and its Sandbox for Revealing Malware's Internal and External Activities	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	E92-D No.5 pp.945-954	INOUE Daisuke YOSHIOKA Katsunari* ETO Masashi HOSHIZAWA Yuji* NAKAO Koji
2009/05/01	Small Printed CPW-Fed Triangular Monopole Antenna for Ultra-Wideband Applications	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	Vol.51 No.5 pp.1180-1182	Choi Sung Tae HAMAGUCHI Kiyoshi KOHNO Ryuji
2009/05/04	Equinoctial asymmetry of a low-latitude ionosphere-thermosphere system and equatorial irregularities: Evidence for meridional wind control	ANNALES GEOPHYSICAE	Vol.27 pp.2027-2034	MARUYAMA Takashi SAITO Susumu KAWAMURA Masabumi NOZAKI Kenro J. Krall* J. D. Huba*
2009/05/06	Specific Absorption Rates of Anatomically Realistic Human Models Exposed to RF Electromagnetic Fields From Mobile Phones Used in Elevators	IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES	Vol.57 No.5 pp.1250-1259	Simba Ally Yahaya HIKAGE Takashi* WATANABE Soichi NOJIMA Toshio*
2009/05/15	Sensitive measurement of mp/me variance using vibrational transition frequencies of cold molecules	NEW JOURNAL OF PHYSICS	Vol.11 55010 pp.1-19	KAJITA Masatoshi
2009/05/26	Fabricating gratings on nitrides grown by MOVPE for DFB lasers	physica status solidi	C6 S2 pp.893-896	NAKAO Masashi KIMURA Takeshi* Yuhuai Liu* Shi-Yang Ji* MATSUOKA Takashi*
2009/05/26	Two Distinct Repeat Sequences of Nup99 Nucleoporins Characterize Dual Nuclei in the Binucleated Ciliate Tetrahymena	CURRENT BIOLOGY	Vol.19 pp.843-847	IWAMOTO Masaaki MORI Chie KOJIDANI Tomoko BUNAI Fumihide HORI Tetsuya* FUKAGAWA Tatsuo* HIRAYAMA Yasushi HARAGUCHI Tokuko
2009/05/28	Design and analysis of high-performance terahertz quantum cascade lasers	physica status solidi (c)	Vol.6 No.6 pp.1428-1431	SEKINE Norihiko HOSAKO Iwao
2009/06/01	Effect of temperature on cryogenic characteristics of AlGaIn/GaN MIS-HEMTs	Physica Status Solidi C	Vol.6 S2 pp.964-967	ENDOH Akira WATANABE Issei YAMASHITA Yoshimi MIMURA Takashi MATSUI Toshiaki
2009/06/01	Analyzing of common ground in machine translation-mediated communication	IEICE TRANSACTIONS on Information and Systems	J92-D No.6 pp.747-757	INABA Eriko YAMASHITA Naomi* ISHIDA Toru* KUZUOKA Hideaki*

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2009/06/01	Directional Sound Radiation System using a Large Planar Diaphragm Incorporating Multiple Vibrators	IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES	E92-A No.6 pp.1399–1407	YAMAKATA Yoko KATSUMOTO Michiaki KIMURA Toshiyuki
2009/06/01	Fabrication of Over-Damped Josephson Junctions With MgB ₂ /Al/AlN/MgB ₃ Structures	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.19 No.3 pp.265–268	SHIMAKAGE Hisashi Zhen Wang
2009/06/01	Development of SNSPD System With Gifford-McMahon Cryocooler	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.19 No.3 pp.332–335	MIKI Shigehito FUJIWARA Mikio SASAKI Masahide Zhen Wang
2009/06/01	Readout Electronics Using Single-Flux-Quantum Circuit Technology for Superconducting Single-Photon Detector Array	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.19 No.3 pp.350–353	TERAI Hirotaka MIKI Shigehito Zhen Wang
2009/06/01	An Ensemble Speaker and Speaking Environment Modeling Approach to Robust Speech Recognition	IEEE Transactions on Audio Speech and Language Processing	Vol.17 No.5 pp.1025–1037	Yu Tsao Chin-Hui Lee
2009/06/08	Optical Kerr response to multi pump pulses on GaAs weakly confined exciton	physica status solidi (c)	Vol.6 No.6 pp.1509–1512	KANNO Atsushi Redouane Katouf KOJIMA Osamu HAYASE Junko TSUCHIYA Masahiro ISU Toshiro
2009/06/11	Distributed Emulator for Developing and Optimizing a Pedestrian Tracking System Using Active Tags	International Journal On Advances in Intelligent Systems	Vol.2 No.1 pp.152–161	NAKATA Jun-ya Razvan Beuran KAWANISHI Tetsuya* OKADA Takashi CHINEN Ken-ichi TAN Yasuo SHINODA Yoichi
2009/06/19	Superconducting NbTiN Nanowire Single Photon Detectors with Low Kinetic Inductance	Applied Physics Express	Vol.2 75002 pp.1–3	MIKI Shigehito TAKEDA Masanori* FUJIWARA Mikio SASAKI Masahide OTOMO Akira Zhen Wang
2009/06/26	Demonstration of 10Gbit Ethernet/Optical-Packet Converter for IP over Optical Packet Switching Network	JOURNAL OF LIGHTWAVE TECHNOLOGY	Vol.27 No.13 pp.2379–2390	FURUKAWA Hideaki WADA Naoya HARAI Hiroaki NARUSE Makoto OTSUKI Hideki IKEZAWA Katsuya* TOYAMA Akira* ITO Naoki* SHIMIZU Hiroshi* FUJINUMA Hiroshi* IIZUKA Hatsushi* MIYAZAKI Tetsuya
2009/07/01	Ultrafast Time-spread Optical BPSK Code Label Generation and Processing Based on Variable Bandwidth Spectrum Shaper	IEEE PHOTONICS TECHNOLOGY LETTERS	Vol.21 No.13 pp.860–862	MIENO Mitsuko KOMAI Yuki WADA Naoya SHINADA Satoshi YODA Takuya* MIYAZAKI Tetsuya KODATE Kashiko*
2009/07/01	A software countermeasure technique against information leakage threat of button input operations in display image caused by radiated electromagnetic noise from information equipments	IEICE TRANSACTIONS on Communications	J92-B No.7 pp.1113–1120	SEKIGUCHI Hidenori
2009/07/01	Integrated Lithium Niobate Mach-Zehnder Interferometers for Advanced Modulation Formats (Invited Paper)	IEICE TRANSACTIONS ON ELECTRONICS	E92-C No.7 pp.915–921	KAWANISHI Tetsuya SAKAMOTO Takahide CHIBA Akito
2009/07/04	Optical Phase Noise Extraction and Amplification Technique Through Four-Wave Mixing and its Application to Optical Phase Noise Monitoring in (D)PSK systems	IEEE PHOTONICS TECHNOLOGY LETTERS	Vol.21 No.13 pp.881–883	Lu Guo-Wei MIYAZAKI Tetsuya
2009/07/15	Optical minimum-shift-keying transmitter based on a monolithically integrated quad Mach-Zehnder in-phase and quadrature modulator	OPTICS LETTERS	Vol.34 No.14 pp.2144–2146	Lu Guo-Wei SAKAMOTO Takahide CHIBA Akito KAWANISHI Tetsuya MIYAZAKI Tetsuya HIGUMA Kaoru* ICHIKAWA Jun-ichiro*
2009/07/16	Innovative Terahertz Spectroscopy and Imaging Technique for Art Conservation Science	e-Conservation Magazine	Vol.10 No.6 pp.30–42	FUKUNAGA Kaori

List of Published Presentation Papers (Sep.2008—Aug.2009)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2009/07/17	Proposed detection of variation in mp/me using a vibrational transition frequency of a CaH ⁺ ion	JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS	Vol.42 154022 pp.1-6	KAJITA Masatoshi MORIWAKI Yoshiaki*
2009/07/25	Calibration of Electric Field Probes with Three Orthogonal Elements by Standard Field Method	IEICE Electronics Express	Vol.6 No.14 pp.1032-1038	Wu Ifong ISHIGAMI Shinobu GOTO Kaoru MATSUMOTO Yasushi
2009/07/28	Development of a 640-Gbit/s/port Optical Packet Switch Prototype Based on Wide-colored Optical Packet Technology	Journal of Optical Communications and Networking	Vol.1 No.3 B30-B39	FURUKAWA Hideaki WADA Naoya HARAI Hiroaki MIYAZAKI Tetsuya
2009/08/01	Broadband wavelength-tunable ultrashort pulse source using a Mach-Zehnder modulator and dispersion-flattened dispersion-decreasing fiber	OPTICS LETTERS	Vol.34 No.15 pp.2297-2299	MOROHASHI Isao SAKAMOTO Takahide SOTOBAYASHI Hideyuki KAWANISHI Tetsuya HOSAKO Iwao
2009/08/01	Lithium Nibate Disk Sensor Using Photonic Heterodyning	Applied Physics Express (The Japan Society of Applied Physics)	Vol.2 82201 pp.1-3	SASAGAWA Kiyotaka TSUCHIYA Masahiro
2009/08/01	Cryptographically Secure Bloom-Filters	Transactions on Data Privacy	Vol.2 No.2 pp.131-139	NOJIMA Ryo KADOBAYASHI Yuki
2009/08/03	Optical phase erasure based on FWM in HNLF enabling format conversion from 320-Gb/s RZDQPSK to 161-Gb/s RZ-DPSK	OPTICS EXPRESS	Vol.17 No.16 pp.13346-13353	Lu Guo-Wei MIYAZAKI Tetsuya
2009/08/13	Optical phase-locked loop with fibre lasers for low phase noise millimetre-wave signal generation	ELECTRONICS LETTERS	Vol.45 No.17 pp.878-880	HYODO Masaharu SAITO Shingo KASAI Yasuko
2009/08/24	Information theoretical analysis of hierarchical nano-optical systems in the subwavelength regime	JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS	Vol.26 No.9 pp.1772-1779	NARUSE Makoto HORI Hirokazu* KOBAYASHI Kiyoshi* ISHIKAWA Masatoshi* Kenji Leibnitz* MURATA Masayuki TATE Naoya* OHTSU Motoichi*
2009/08/31	Real-time digital signal processing for live electro-optic imaging	OPTICS EXPRESS	Vol.17 No.18 pp.15641-15651	SASAGAWA Kiyotaka KANNO Atsushi TSUCHIYA Masahiro