

## List of Published Presentation Papers (Sep.2006—Feb.2007)

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Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2006/09/01	The effect of radio noise on standard frequency and time signal emissions in LF band	The Institute of Electrical Engineers of Japan	Vol.126 No.9 pp.895-901	IWAMA Miki SHINOZUKA Takashi YAMANAKA Yukio
2006/09/01	Continuous-Phase Frequency-Shift Keying With External Modulation	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS	Vol.12 No.4 pp.589-595	SAKAMOTO Takahide KAWANISHI Tetsuya IZUTSU Masayuki
2006/09/01	End-to-End Lightpath Establishment Based on Rank Accounting in Multi-Domain WDM Networks	IEICE TRANSACTIONS ON COMMUNICATIONS	E89-B No.9 pp.2448-2456	TACHIBANA Takushi HARAI Hiroaki
2006/09/01	Pseudo-distributive laws and axiomatics for variable binding	Higher-Order and Symbolic Computation	Vol.19 No.2/3 pp.305-337	TANAKA Miki John Power*
2006/09/01	A Machine Transliteration Model based on Correspondence between Graphemes and Phonemes	ACM Transactions on Asian Language Information Processing, ACM	pp.185-208	Oh Jong-hoon Key-sun Choi* ISAHARA Hitoshi
2006/09/01	Attributes in Hierarchical Frame Model in the Cases of Adjectival Meanings	Japanese Cognitive Linguistics Association	Vol.6 pp.401-411	NOZAWA Hajime KURODA Kou NAKAMOTO Koichiro ISAHARA Hitoshi
2006/09/01	Calreticulin as a new histone binding protein in mitotic chromosomes	CYTOGENETIC AND GENOME RESEARCH	Vol.115 No.14 pp.10-15	KOBAYASHI Shohei Susumu Uchiyama* Takefumi Sone* Masanori Noda*
2006/09/01	AlN/GaN Insulated-Gate HFETs Using Cat-CVD SiN	IEEE ELECTRON DEVICE LETTERS	Vol.27 No.9 pp.719-721	HIGASHIWAKI Masataka MIMURA Takashi MATSUI Toshiaki
2006/09/05	High-speed integrated optical modulators for advanced modulation	Proceedings of SPIE	Vol.6353 63532A pp.1-5	KAWANISHI Tetsuya
2006/09/18	Nanoscale structure fabrication of multiple AlGaSb/InGaSb quantum wells by reactive ion etching with chlorine-based gases toward photonic crystals	JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B	Vol.24 No.5 pp.2291-2294	GOZU Shin-ichiro AKAHANE Koichi YAMAMOTO Naokatsu UETA Akio
2006/09/20	Flux enhancement of radiation belt electrons during geomagnetic storms driven by coronal mass ejections and corotating interaction regions	Space Weather: The International Journal of Research and Applications	Vol.4 S09004 pp.1-11	KATAOKA Ryuho MIYOSHI Yoshizumi*
2006/09/25	Space charge observation in aramid/epoxy insulations under dc electric fields	IEEE TRANSACTIONS ON COMPONENTS AND PACKAGING TECHNOLOGIES	Vol.29 No.3 pp.502-507	FUKUNAGA Kaori K. Okamoto* MAENO Takashi
2006/09/27	Accurate real-time feedback of surface EMG during fMRI	JOURNAL OF NEUROPHYSIOLOGY	Vol.97 No.1 pp.912-920	Ganesh Gowrishankar David W. FRANKLIN Roger GASSERT* Hiroshi Imaizumi*
2006/09/27	Collision between magnetically trapped NH molecules in the (N=0, J=1) state	PHYSICAL REVIEW A	Vol.74 No.3 pp.032710-1-032710-9	KAJITA Masatoshi
2006/09/27	Email distribution experiment of digital contents acquired by Micro-OLIVE	The Japan Society for Aeronautical and Space Sciences	Vol.5 pp.19-26	YAMAMOTO Hiroshi KIMURA Shin-ichi NAGAI Yasufumi SUZUKI Kenji
2006/09/27	Infrared frequency standard based on magnetically trapped NH molecules	PHYSICAL REVIEW A	Vol.74 No.3 pp.035403-1-035403-3	KAJITA Masatoshi
2006/09/28	Improving the measurement sensitivity of the Raman gain coefficient in optical fibres using pump/signal simultaneous lock-in detection	ELECTRONICS LETTERS	Vol.42 No.20 pp.1138-1139	Abedin Kazi Sarwar
2006/09/29	A two-dimensional simulation of thermospheric vertical winds in the vicinity of an auroral arc	EARTH PLANETS AND SPACE	Vol.58 pp.1173-1181	SHINAGAWA Hiroyuki OHYAMA Shin-ichiro*
2006/09/30	Signal integrity in Large-scale single-flux-quantum circuit	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	Vol.445-448 pp.1003-1007	TERAI Hirota YOROZU Shin-ichi* FUJIMAKI Akira* YOSHIKAWA Nobuyuki*
2006/10/01	Development of a Hardware SNMP Server	The Institute of Electronics, Information and Communication Engineers	J89-B No.10 pp.1867-1873	TORIYAMA Hiroshi MACHIZAWA Akihiko IWAMA Tsukasa
2006/10/01	Packet arrival interval (PAI) based time synchronization	The Institute of Electronics, Information and Communication Engineers	J89-B No.10 pp.1855-1866	MACHIZAWA Akihiko IWAMA Tsukasa TORIYAMA Hiroshi

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2006/10/01	Dependence of the cutoff latitude of solar energetic protons on the southward component of the IMF	ADVANCES IN SPACE RESEARCH	Vol.38 No.3 pp.503-506	SHIMAZU Hironori TANAKA T* DEN Mitsue* OBARA Takahiro
2006/10/01	High-speed system for measuring electromagnetic field distribution	IEICE TRANSACTIONS ON COMMUNICATIONS	E89-B No.10 pp.2905-2912	TAKAHASHI Masanori SUZUKI Eiji* ARAKAWA Satoru* OHTA Hiroyasu
2006/10/01	70-GHz-Band OFDM Transceivers Based on Self-Heterodyne Scheme for Millimeter-Wave Wireless Personal Area Network	IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES	Vol.54 No.10 pp.3664-3674	SHOJI Yozou Choi Chang-Soon OGAWA Hiroyo
2006/10/05	Simple analysis of prolate-spin attitude stability	The Japan Society for Aeronautical and Space Sciences	Vol.54 No.633 pp.461-466	KAWASE Seiichiro
2006/10/10	System for pointing out honorific misusages in Japanese speech sentences	The Association for Natural Language Processing	Vol.13 No.3 pp.243-260	SHIRADO Tamotsu MARUMOTO Masako* MURATA Masaki ISAHARA Hitoshi
2006/10/15	Temporal characteristics of neural activity related to target detection during visual search	NEUROIMAGE	Vol.33 No.1 pp.296-306	HAYAKAWA Tomoe FUJIMAKI Norio IMARUOKA Hidetoshi*
2006/10/16	A Comparison of Different Machine transliteration Models	JOURNAL OF ARTIFICIAL INTELLIGENCE RESEARCH	Vol.27 pp.119-151	Oh Jong-hoon Key-sun Choi* ISAHARA Hitoshi
2006/10/20	30-nm-Gate AlGaIn/GaN Heterostructure Field-Effect Transistors with a current-gain cutoff frequency of 181 GHz	JAPANESE JOURNAL OF APPLIED PHYSICS	Vol.45 No.42 pp.L1111-L1113	HIGASHIWAKI Masataka MIMURA Takashi MATSUI Toshiaki
2006/10/23	Velocity enhancement in cryogenically cooled InP-based HEMTs on (411) A-oriented substrates	IEEE TRANSACTIONS ON ELECTRON DEVICES	Vol.53 No.11 pp.2842-2846	WATANABE Issei SHINOHARA Keisuke KITADA Takahiro* SHIMOMURA Satoshi*
2006/10/25	Residual carrier density in GaSb grown on Si substrates	THIN SOLID FILMS	Vol.515 No.2 pp.748-751	AKAHANE Koichi YAMAMOTO Naokatsu GOZU Shin-ichiro UETA Akio
2006/10/31	Extreme enhancement in total electron content after sunset on 8 November 2004 and its connection with storm enhanced density	GEOPHYSICAL RESEARCH LETTERS	Vol.33 L20111 pp.1-5	MARUYAMA Takashi
2006/11/01	Estimation of path-integrated attenuation and its nonuniformity from TRMM/PR range profile data	IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING	Vol.44 No.11 pp.3276-3283	TAKAHASHI Nobuhiro HANADO Hiroshi IGUCHI Toshio
2006/11/01	Estimating the Amplitude Reduction of Clock Harmonics Due to Frequency Modulation	IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY	Vol.48 No.4 pp.734-741	MATSUMOTO Yasushi FUJII Katsumi SUGIURA Akira
2006/11/01	Magnetic field distribution measurements using an optically scanning probe system and optical magnetic field probe array	The Institute of Electronics, Information and Communication Engineers	J89-C No.11 pp.866-873	TAKAHASHI Masanori ARAKAWA Satoru* SUZUKI Eiji* OHTA Hiroyasu
2006/11/01	[INVITED PAPER] Overview of Research, Development, Standardization and Regulation Activities in NICT UWB Project	IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES	E89-A No.11 pp.2996-3005	TAKIZAWA Ken-ichi Li Huan-Bang NISHIYAMA Iwao TAKADA Jun-ichi
2006/11/01	RBR: A Region-Based Routing Protocol for Mobile Nodes in Hybrid Ad Hoc Networks	IEEE COMMUNICATIONS MAGAZINE	Vol.44 No.11 pp.124-132	TENG Rui
2006/11/02	A super bubble detected by dense GPS network at east Asian longitudes	GEOPHYSICAL RESEARCH LETTERS	Vol.33 L21103 pp.1-5	MARUYAMA Takashi G. Ma*
2006/11/08	Optical cavity properties of metal mirror microcavities with InAsSb quantum dots	JAPANESE JOURNAL OF APPLIED PHYSICS	Vol.45 No.11 pp.8650-8652	UETA Akio GOZU Shin-ichiro AKAHANE Koichi YAMAMOTO Naokatsu
2006/11/09	Modulation depth enhancement for highly sensitive electrooptic RF near-field measurement	ELECTRONICS LETTERS	Vol.42 No.23 pp.1357-1358	SASAGAWA Kiyotaka TSUCHIYA Masahiro
2006/11/10	Convection electric field in the near-Earth tail during the super magnetic storm of November 20-21, 2003	GEOPHYSICAL RESEARCH LETTERS	Vol.33 L21107 pp.1-4	HORI Tomoaki A. T. Y. Lui* OHTANI Shin-ichi* P. C. son Brandt*
2006/11/11	Mirror symmetrical transfer of perceptual learning by prism adaptation	VISION RESEARCH	Vol.47 No.10 pp.1350-1361	TANAKA Yasuto MIYAUCHI Satoru MISAKI Masaya TASHIRO Takara*
2006/11/14	Clock offset compensation in Ultra-Wideband ranging	IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES	Vol.89 No.11 pp.3082-3088	Zhen Bin Li Huan-Bang KOHNO Ryuji

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2006/11/20	Natural Language-Mediated Software Agentification	Journal of Advanced Computational Intelligence & Intelligent Informatics (JACI3)	Vol.10 No.6 pp.802-810	IWAZUME Michiaki KOBAYASHI Ichiro* SUGANO Michio*
2006/11/21	Ionospheric height variations observed by ionosondes along the magnetic meridian and plasma bubble onsets	ANNALES GEOPHYSICAE	Vol.24 No.11 pp.2991-2996	SAITO Susumu MARUYAMA Takashi
2006/11/27	Stimulated Brillouin scattering in single-mode tellurite glass fiber	OPTICS EXPRESS	Vol.14 No.24 pp.11766-11772	Abedin Kazi Sarwar
2006/12/01	Precise estimation of high-speed network time-transfer	The Institute of Electronics, Information and Communication Engineers	J.89-D No.12 pp.2553-2563	IWAMA Tsukasa KANEKO Akihiro MACHIZAWA Akihiko TORIYAMA Hiroshi
2006/12/01	An Alignment Model for Extracting English-Korean Translations of Term Constituents	IEICE TRANSACTIONS ON INFORMATION AND SYSTEMS	E89-D No.12 pp.2972-2980	Oh Jong-hoon Key-sun Choi* ISAHARA Hitoshi
2006/12/01	Sea-ice thickness retrieval in the SEa of Okhotsk using dual-polarization SAR data	ANNALS OF GLACIOLOGY	Vol.44 pp.261-268	NAKAMURA Kazuki WAKABAYASHI Hiroyuki* UTO Shotaro* NAOKI Kazuhiro
2006/12/04	Reconstruction of the kinetochore during meiosis in fission yeast <i>Schizosaccharomyces pombe</i>	MOLECULAR BIOLOGY OF THE CELL	Vol.17 pp.5173-5184	HAYASHI Aki ASAKAWA Haruhiko HARAGUCHI Tokuko HIRAOKA Yasushi
2006/12/12	Model analysis of influence of wave-current interaction on current measurement of HF ocean surface radar for isolated eddy and upwelling	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.111 C10012 pp.1-17	NADAI Akitsugu
2006/12/15	Relativistic electron variation in the radiation belt inferred from MDS-1 (Tsubasa)	Space Radiation	Vol.5 No.2 pp.101-109	OBARA Takahiro NAKAMURA Masao* MATSUMOTO Haruhisa* GOKA T*
2006/12/15	Development of a 4 Gbps Multifunctional Very Long Baseline Interferometry Data Acquisition System	PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF THE PACIFIC	Vol.118 No.850 pp.1739-1748	TAKEUCHI Hiroshi KIMURA Moritaka NAKAJIMA Jun-ichi KONDO Tetsuro
2006/12/20	Collisions between linear polar molecules trapped in a microwave field	EUROPEAN PHYSICAL JOURNAL D	Vol.41 pp.499-504	KAJITA Masatoshi A. V. Avdeenkov*
2006/12/20	An approach toward emulating molecular interaction with a graph.	AUSTRALIAN JOURNAL OF CHEMISTRY	Vol.59 pp.869-873	SUZUKI Hideaki
2006/12/31	Proposal of novel wearable GPS with azimuth limitation ability and focus-driven outdoor e-learning applications using it	The Virtual Reality Society of Japan	Vol.11 No.4 pp.505-514	TAKAHASHI Masato
2007/01/01	Comparison of microwave and light wave communication systems in space applications	OPTICAL ENGINEERING	Vol.46 No.1 pp.015003-1-015003-7	TOYOSHIMA Morio Walter R. Leeb* KUNIMORI Hiroo TAKANO Tadashi*
2007/01/01	The position clamped piconewton-force measurement system for nano-bio research	The Institute of Electronics, Information and Communication Engineers	J90C No.1 pp.34-41	KOJIMA Hiroaki Bernhard Brenner* OHIWA Kazuhiro
2007/01/01	Nitric oxide regulates input-specificity of long-term depression and context dependent cerebellar learning	PLoS Computational Biology	Vol.3 No.1, e179 pp.1-13	OGASAWARA Hideaki Tomokazu Doi* Kenji Doya* Mitsuo Kawato*
2007/01/01	A 2-hop Path Selection Protocol (2PSP) in Multi-rate Ad Hoc Wireless Networks	IEICE TRANSACTIONS ON COMMUNICATIONS	E90-B No.1 pp.42-50	Azman Osman Lim YOSHIDA Susumu*
2007/01/01	Shingle mode polymer DFB Lasers with two-dimensional microcavity structures	IEICE TRANSACTIONS ON ELECTRONICS	E90-C No.1 pp.135-138	YOKOYAMA Shiyoshi
2007/01/01	Evaluation of annotation in intercultural communication chat tool using machine translation	Information Processing Society of Japan	Vol.48 No.1 pp.63-71	FUJII Kunikazu SHIGENOBU Tomohiro YOSHINO Takashi
2007/01/01	Field Trial of 3-WDM × 10-OCDMA × 10.71 -Gb/s Asynchronous WDM/DPSK-OCDMA Using Hybrid E/D Without FEC and Optical Thresholding	JOURNAL OF LIGHTWAVE TECHNOLOGY	Vol.25 No.1 pp.207-215	Wang Xu WADA Naoya MIYAZAKI Tetsuya G. Cincotti*
2007/01/10	Automatic F-term Classification of Japanese Patent Documents Using the k-Nearest Neighborhood Method and the SMART Weighting	The Association for Natural Language Processing	Vol.14 No.1 pp.163-189	MURATA Masaki KANAMARU Toshiyuki SHIRADO Tamotsu ISAHARA Hitoshi
2007/01/12	Striated muscle twitchin of bivalves has the 'catchability', the ability to bind thick filaments tightly to thin filaments, representing the catch state	JOURNAL OF MOLECULAR BIOLOGY	Vol.365 No.2 pp.325-332	TSUTSUI Yasutaka YOSHIO Maki OHIWA Kazuhiro YAMADA Akira

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2007/01/14	Mathematical folding of node chains in a molecular network	BIOSYSTEMS	Vol.87 pp.125-135	SUZUKI Hideaki
2007/01/20	Molecular and nanometer-scale self-organized system generated by protein motor functions	MATERIALS SCIENCE FORUM	539-543 pp.3290-3296	OHIWA Kazuhiro Reo Kometani* Dongyang Li* SHITAKA Yuji
2007/01/25	Partially Interacted Phosphorylation/dephosphorylation Trees Extracted from Signaling Pathways in Cells	Artificial Life and Robotics	Vol.11 No.1 pp.123-127	Liu Jian-Qin SHIMOHARA Katsunori*
2007/02/01	Novel functionality and material for Si-photonics: two-photon absorption switching and antimonide hetero-genius epitaxy	IEICE TRANSACTIONS ON ELECTRONICS	E90-C No.2 pp.409-414	Lian Tak-Keung AKAHANE Koichi YAMAMOTO Naokatsu Luis Romeu Nunes*
2007/02/01	Design and evaluation of news reader [wEE] expressing emotional aspects of New articles	The Institute of Electronics, Information and Communication Engineers	J90-D No.2 pp.185-195	KUMAMOTO Tadahiko NADAMOTO Akiyo TANAKA Katsumi*
2007/02/01	A Fast Hologram Calculation Method for Real Objects	The Institute of Image Information and Television Engineers	Vol.61 No.2 pp.198-203	OHI Ryutarō MISHINA Tomoyuki OKUI Makoto NOJIRI Yuji*
2007/02/01	Research on ubiquitous system for mobility support of the elderly and disabled and its technology transfer to industry	Information Processing Society of Japan	Vol.48 No.2 pp.770-779	YAIRI Ikuko IGI Seiji
2007/02/01	An Exposure System for Long-Term and Large-Scale Animal Bioassay of 1.5-GHz Digital Cellular Phones	IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES	Vol.55 No.2 pp.343-350	WAKE Kanako Atsushi Mukoyama* WATANABE Soichi YAMANAKA Yukio
2007/02/05	Enhancing the Monitoring Sensitivity of DOP-based OSNR Monitors in High OSNR Region using Off-center Narrow-band Optical Filtering	OPTICS EXPRESS	Vol.15 No.3 pp.823-828	Lu Guo-Wei Chen Lian-Kuan*
2007/02/07	High-Speed Control of Lightwave Amplitude, Phase, and Frequency by Use of Electrooptic Effect (Invited Paper)	IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS	Vol.13 No.1 pp.79-91	KAWANISHI Tetsuya SAKAMOTO Takahide IZUTSU Masayuki
2007/02/15	Reduction in potential barrier height of AlGaIn/GaN heterostructures by SiN passivation	JOURNAL OF APPLIED PHYSICS	Vol.101 No.43703 pp.1-6	ONOJIMA Norio HIGASHIWAKI Masataka SUDA Jun* KIMOTO T*
2007/02/16	Ultrafast All-Optical Refractive Index Modulation in Intersubband Transition Switch Using InGaAs/AIAs/AIAsSb Quantum Well	JAPANESE JOURNAL OF APPLIED PHYSICS	Vol.46 No.8 pp.157-160	Abedin Kazi Sarwar Hiroshi Ishikawa* Hidemi Tsuchida* Takasi Simoyama*
2007/02/18	Space charge distributions in glass fibre/epoxy resin composites under dc 10 kVmm <sup>-1</sup> electric field	JOURNAL OF PHYSICS D-APPLIED PHYSICS	Vol.40 pp.1489-1496	TANAKA Hidesato OHKI Yoshimichi* FUKUNAGA Kaori MAENO Takashi
2007/02/22	DEVELOPMENT OF A METHOD TO ESTIMATE OF DROP SIZE DISTRIBUTION ABOVE THE MELTING LAYER BY USING 400MHz-BAND WIND PROFILER AND COBRA	Committee on Hydrosience and Hydraulic Engineering	Vol.51 pp.349-354	KITAMURA Yasushi NAKAGAWA Katsuhiko SEKIZAWA Shinya HANADO Hiroshi