

List of Published Presentation Papers (Mar.2004—Aug.2004)

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Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2004/03/01	AMN-1 Conference special issue (Current Applied Physics, Elsevier)	STM INVESTIGATION OF POR-PHYRIN ISOMERS ON METAL SUBSTRATES		TERUI Toshifumi KAMIKADO Toshiya OKUNO Yoshishige SUZUKI Hitoshi MASHIKO Shinro
2004/03/01	The Institute of Electronics, Information and Communication Engineers	Acquisition and Tracking Performance of Satellite-Borne Laser Communication Equipment and Simulation of Down-Link Fluctuations	Vol.J87-B No.3 pp380-389	TOYODA Masahiro
2004/03/01	Advanced Robotics	Preliminary Experiments on Technologies for Satellite Orbital Maintenance Using Micro-LabSat 1	Vol.18 No.2 pp117-138	KIMURA Shin-ichi MINENO Hitoshi YAMAMOTO Hiroshi* NAGAI Yasuhumi KAMIMURA Heihachiro* KAWAMOTO Satomi* TERUI Fuyuhito* NISHIDA Shin-ichiro* NAKASUKA Shin-ichi* UKAWA Shin-ichi* HASHIMOTO Hidekazu* TAKAHASHI Nobuhiro* YOSHIHARA Keisuke*
2004/03/01	FUNDAMENTA INFORMATICA E	Embedding universal delay-insensitive circuits in asynchronous cellular spaces	Vol.58 pp295-320	Lee Jia ADACHI Susumu Peper Ferdinand MORITA Ken-ichi*
2004/03/01	Semiconductor Science and Technology	Formation of electric-field domains in an asymmetric double-quantum-well GaAs/AlAs superlattice	Vol.19 No.4 ppS89-S90	OHTANI Naoki Y. Hirose* T. Nishimura* T. Aida* M. Hosoda*
2004/03/01	The Institute of Electronics, Information and Communication Engineers	Measurement of Complex Permittivity of Construction Materials at 62GHz and 70GHz	Vol.J87-B No.3 pp462-466	KANAZAWA Ami OGAWA Hiroyo* SAKAMOTO Kouichi* TAKO Shigeru* OOKUBO Fumio* IDA Masaaki* AKEYAMA Akira* KURIBAYASHI Nobuhiko* HOROSE Toshiyuki*
2004/03/01	Physica E	Uniaxial-strain-induced transition from type-II to type-I band configuration of quantum well microtubes	Vol.21 No pp732-736	OOTANI Naoki K. Kishimoto* K.Kubota* S.Saravanan* Y.Sato* S.Nashima* P. Vaccaro* T.Aida* M.Hosoda*
2004/03/01	IEEE Transactions on Computers	Universal delay-insensitive circuits with bi-directional and buffering lines		Lee Jia Peper Ferdinand ADACHI Susumu MORITA Ken-ichi*
2004/03/01	Journal of Geophysical Research - Space Physics	Temporal and spatial structures of flickering aurora derived from high-speed imaging photometer observations at Syowa Station in the Antarctic	Vol.109 No.A01221	SAKANAI Kazuyo FUKUNISHI Hiroshi*
2004/03/01	IEICE Special Issue on Cellular Automata	On Signals in Asynchronous Cellular Spaces	Vol.E87-D No.3 pp957-668	ADACHI Susumu Lee Jia Peper Ferdinand
2004/03/01	IEEE Transactions on Nanotechnology	Fault-tolerance in nanocomputers: a cellular array approach	Vol.3 No.1 pp187-201	Peper Ferdinand Lee Jia ABO Fukutaro* ISOKAWA Teijiro* ADACHI Susumu MATSUI Nobuyuki* MASHIKO Shinro
2004/03/01	European Journal of Biochemistry	Emerin binding to Btf, a death-promoting transcriptional repressor, is disrupted by a missense mutation that causes Emery-Dreifuss muscular dystrophy	Vol.271 No.5	HARAGUCHI Tokuko James M. Holaska* YAMANE Miho KOUJIN Takako HASHIGUCHI Noriyo MORI Chie Katherine L. Wilson* HIRAOKA Yasushi
2004/03/01	OPTICAL REVIEW	Cutting-edge technologies on broadband and scalable photonic-network - Packet switched networks based on all-optical label processing -	Vol.11 No.2 pp106-112	WADA Naoya KUBOTA Fumito
2004/03/01	PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES	Growth of high-density InGaSb quantum dots on silicon atoms irradiated GaAs substrates	Vol.21 No.2004 pp322-325	YAMAMOTO Naokatsu AKAHANE Kouichi OOTANI Naoki
2004/03/02	The Database Society of Japan	Discovering Aspects of Web Page	Vol.2 No.4 pp15-18	ZETTU Koji KIDAWARA Yutaka TANAKA Katsumi

2004/03/15	Applied Surface Science	60 nm gate-length Si/SiGe HEMT	Vol.224 pp382-385	KASAMATSU Akifumi KASAI Kazumi HIKOSAKA Kouki MATSUI Toshiaki MIMURA Takashi
2004/03/15	Journal of Crystal Growth	Heteroepitaxial growth of GaSb on Si(001) substrates	Vol.264 pp21-25	AKAHANE Kouichi YAMAMOTO Naokatsu GOZU Shin-ichiro OHTANI Naoki
2004/03/15	Optics Letters	Terabit all-optical logic based on ultrafast two-dimensional transmission gating	Vol.29 No.6 pp608-610	NARUSE Makoto MITSU Hiroyuki FURUKI Makoto IWASA Izumi* SATO Yasuhiro* TATSUURA Satoshi* Tian Minquan* KUBOTA Fumito
2004/03/15	Developmental Cell	Dynamics of homologous chromosome pairing during meiotic prophase in fission yeast	Vol.6 pp329-341	Da-Qiao Ding YAMAMOTO Ayumu HARAGUCHI Tokuko HIRAOKA Yasushi
2004/03/19	Physica E	Long wavelength light emission from InAs quantum dots covered by GaAsSb grown on GaAs substrates	Vol.21 pp295-299	AKAHANE Kouichi YAMAMOTO Naokatsu OOTANI Naoki
2004/03/22	Applied Physics Letters	Timing jitter measurement of single-flux-quantum pulse in Josephson transmission line	Vol.84 No.12 pp2133-2135	TERAI Hirota HASHIMOTO Yoshihito* YOROZU Shin-ichi* FUJIMAKI Akira* YOSHIKAWA Nobuyuki* Wang Zhen
2004/04/01	IEEE Wireless Communications: Special Issue on 4G Mobile Communications	Novel Out-Of-Band Signaling for Seamless Interworking Between Heterogeneous Networks	pp56-63	INOUE Masugi Khaled Mahmud MURAKAMI Homare HASEGAWA Mikio MORIKAWA Hiroyuki FUKUNAGA Kaori
2004/04/01	IEEE Electrical Insulation Magazine	Inovative PEA space charge measurement systems for industrial applications	pp18-26	
2004/04/01	IEEE Photonics Technology Letters	Wavelength-Conversion of Pseudorandom Pulses at 10 Gbit/s by Using Soliton Self-Frequency Shift in a Photonic Crystal Fiber	Vol.16 No.4 pp1119-1121	Abedin Kazi Sarwar MIYAZAKI Tetsuya KUBOTA Fumito
2004/04/01	Japanese Journal of Applied Physics	Non-recessed-gate enhancement-mode AlGaIn/GaN high electron mobility transistors with high RF performance	Vol.43 No.4B pp2255-2258	ENDO Akira YAMASHITA Yoshimi IKEDA Keiji HIGASHIWAKI Masataka HIKOSAKA Kouki MATSUI Toshiaki HIYAMIZU Satoshi* MIMURA Takashi
2004/04/01	Journal of Structural Biology	Dynamic interaction between BAF and emerin revealed by FRAP, FLIP and FRET analyses in living HeLa cells	Vol.147 pp31-41	SHIMI Takeshi KOUJIN Takako Miriam Segura-Totten* Katherine L. Wilson* HARAGUCHI Tokuko HIRAOKA Yasushi
2004/04/16	THIN SOLID FILMS (special issue of for the ACSIN-7)	Structural study of porphyrin isomers on metal substrates by using STM	Vol.2004 pp384-387	TERUI Toshifumi T. Sekiguchi* WAKAYAMA Yutaka* KAMIKADO Toshiya MASHIKO Shinro
2004/04/20	American Geophysical Union(Journal of Geophysical Research)	Conductivity dependence of cross-polar saturation	Vol.109 No.A04210 pp1-7	NAGATUMA Tsutomu
2004/04/30	The Japan Society of Infrared Science and Technology	Walking Support by Infrared Audio Communication and Compact Low-battery Terminals	Vol.13 No.2 pp33-42	KOYAMA Shinya YAIRI Ikuko IGI Seiji NISHIMURA Takuichi
2004/04/30	The Japan Society of Infrared Science and Technology	Sound Localization and Visualization of Compact Battery less Information Terminal: CoBIT	Vol.13 No.2 pp43-52	NISHIMURA Takuichi NAKAMURA Yoshiyuki* TOKIWA Takuji* ITO Hideo* NAKAJIMA Hideyuki* KOYAMA Shinya YAIRI Ikuko IGI Seiji
2004/04/30	IEEE journal of selected topics in quantum electronics	Highly spectral-efficient optical code division multiplexing transmission system	Vol.10 No.2 pp252-258	SOTOBAYASHI Hideyuki NAKAJO Ayumu KITAYAMA Ken-ichi*
2004/05/01	Journal of luminescence	Theory of active dephasing control in qubit arrays	Vol.108 pp215-219	SASAKI Masahide HASEGAWA Atsushi MITSUMORI Yasuyoshi MINAMI Fujio*
2004/05/01	The Institute of Electrical Engineers of Japan	Proposal of Open-PEA Space Charge Measurement System	Vol.124 No.5 pp443-444	MAENO Takashi

2004/05/01	Journal of Luminescence	Multi-wave-mixing of two-dimensional excitons in semiconductors	Vol.108 pp211-214	HASEGAWA Atsushi T.Kishimoto* MITSUMORI Yasuyoshi SASAKI Masahide MINAMI Fujio*
2004/05/01	Journal of Luminescence	Optical selection rule for hyper-Rayleigh scattering in resonance with exciton states in ZnSe	Vol.108 pp259-262	MITSUMORI Yasuyoshi Y.Okubo* HASEGAWA Atsushi SASAKI Masahide MINAMI Fujio*
2004/05/01	PHYSICA D	Asynchronous Game of Life	Vol.194 pp369-384	Lee Jia ADACHI Susumu Peper Ferdinand MORITA Ken-ichi*
2004/05/01	IEEE Electron Device Letters	547-GHz-ft In _{0.7} Ga _{0.3} As / In _{0.52} a _{10.48} As HEMTs with Reduced Source and Drain Resistance	Vol.25 No.5 pp241-243	SHINOHARA Keisuke YAMASHITA Yoshimi ENDO Akira WATANABE Issei HIKOSAKA Kouki MIMURA Takashi HIYAMIZU Satoshi* MATSUI Toshiaki
2004/05/01	IEICE Electronics Express	Optical FSK/IM Signal Generation Using an Integrated Optical FSK Modulator	Vol.1 No.3 pp69-72	KAWANISHI Tetsuya HIGUMA Kaoru* FUJITA Takahisa* ICHIKAWA Jun-ichiro* SHINADA Satoshi SAKAMOTO Takahide IZUTSU Masayuki
2004/05/26	Metrologia	Accuracy Evaluation of Optically Pumped Primary Frequency Standard CRL-01	Vol.41 No.4 pp257-263	HASEGAWA Atsushi FUKUDA Kyouya KAJITA Masatoshi ITO Hiroyuki KUMAGAI Motohiro
2004/05/26	Physical Review A	Implementation of generalized quantum measurements: Super-additive quantum coding, accessible information extraction, and classical capacity limit	Vol.69 No.52329 pp1-14	TAKEOKA Masahiro FUJIWARA Mikio MIZUNO Jun SASAKI Masahide
2004/05/27	ELECTRONICS LETTERS	LiNbO ₃ high-speed optical FSK modulator	Vol.40 No.11	KAWANISHI Tetsuya HIGUMA Kaoru* FUJITA Takahisa* ICHIKAWA Jun-ichiro* SHINADA Satoshi SAKAMOTO Takahide IZUTSU Masayuki
2004/06/01	ADVANCES IN SPACE RESEARCH	EUV IMAGING OF NEAR-VENUS SPACE	Vol.33 No.11 pp1932-1937	YAMAZAKI Atsushi YOSHIKAWA Ichiro* TERADA Naoki* NAKAMURA Masato*
2004/06/01	IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING	Diurnal Change of Amazon Rain Forest sigma-0 Observed by Ku-band Spaceborne Radar	Vol.42 No.6 pp1127-11374	SATAKE Makoto HANADO Hiroshi
2004/06/01	HIGH PERFORMANCE POLYMERS	In-situ space charge measurement system for space environment monitoring	Vol.16 No.2 pp267-275	FUKUNAGA Kaori MAENO Takashi Virginie Griseri*
2004/06/01	Japanese Journal of Applied Physics	Preparing Single Ions in m=0 States in the Lamb-Dicke Regime	Vol.43 No.6A pp3592-3595	KAJITA Masatoshi MATSUBARA Kensuke Li Ying HAYASAKA Kazuhiro HOSOKAWA Mizuhiko
2004/06/01	IEEE PHOTONICS TECHNOLOGY LETTERS	Linear Single-Sideband Modulation for High-SNR Wavelength Conversion	Vol.16 No.6 pp1534-1536	KAWANISHI Tetsuya IZUTSU Masayuki
2004/06/10	ELECTRONICS LETTERS	Tunable F-P filter with dual transmission peaks suitable for demultiplexing in mm-wave radio-on-fibre dense WDM systems	Vol.40 No.12 pp761-762	Abedin Kazi Sarwar
2004/06/15	Japanese Journal of Applied Physics	InAlN/GaN Heterostructure Field-Effect Transistors Grown by Plasma-Assisted Molecular-Beam Epitaxy	Vol.43 pp768-770	HIGASHIWAKI Masataka MATSI Toshiaki
2004/06/25	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	Frequency dependence of penetration depth for epitaxial NbN thin films at 0.1-1.1 THz	Vol.412 No.414 pp1455-1458	KAWAKAMI Akira UZAWA Yoshinori Wang Zhen
2004/06/29	PHYSICAL REVIEW B	Emission from planar defect modes excited with surface modes in three-dimensional photonic crystals	Vol.69 No.245119 pp1-6	IIDA Masaru TANI Masahiko* SAKAI Kiyomi WATANABE Masayoshi KATAYAMA Shin-ichi* KONDO Hirotaka* KITAHARA Hideaki* KATO Seiji* TAKEDA Mitsuo*

2004/07/01	Japan Society of Photogrammetry and Remote Sensing	Estimation of Directional Wave Spectrum from EERS1-SAR Image-	Vol.43 No.3 pp4-12	KOJIMA Shoichiro HASHIMOTO Noriaki* SAWAMOTO Masaki*
2004/07/01	IEICE TRANSACTIONS ON ELECTRONICS	Optical packet switching network based on ultra-fast optical code label processing	Vol.E87-C No.7 pp1090-1096	WADA Naoya HARAI Hiroaki KUBOTA Fumito
2004/07/01	IEICE TRANSACTIONS ON COMMUNICATIONS	Exploiting Semantics in Unstructured Peer-to-Peer Networks	Vol.E87 No.7 pp1806-1817	NAKAUCHI Kiyohide ISHIKAWA Yuichi* MORIKAWA Hiroyuki* AOYAMA Tomonori*
2004/07/01	The Institute of Electronics, Information and Communication Engineers	Development of NbN-SIS Mixers in the Sub-mm Wave Region	Vol.J87-C No.7 pp549-556	KAWAKAMI Akira UZAWA Yoshinori Wang Zhen
2004/07/01	The Institute of Electronics, Information and Communication Engineers	Separation of Position and Direction Information of Robots by a Product Model of Self-Organizing Map and Neural Gas	Vol.J87-II No.7 pp1529-1538	DATE Akira KURATA Koji*
2004/07/01	IEICE TRANSACTIONS ON COMMUNICATIONS	Measurement of optical propagation characteristics for free-space optical communications during rainfall	Vol.E87-B No.7 pp2053-2056	AKIBA Makoto WAKAMORI Kazuhiko ITO Shigeo
2004/07/10	The Association for Natural Language Processing	A Comparison of Measures for Extracting Domain-Specific Lexicons for English Education	Vol.11 No.3 pp165-197	UCHIYAMA Masao CHUJO Kiyomi* YAMAMOTO Eiko ISAHARA Hitoshi
2004/07/15	OPTICS LETTERS	Generation of twin beams from an optical parametric oscillator pumped by a frequency-doubled diode laser	Vol.29 No.14 pp1665-1667	HAYASAKA Kazuhiro Yun Zhang KASAI Katsuyuki
2004/07/21	JOURNAL OF BIOLOGICAL CHEMISTRY	Protein phosphatase 2B dephosphorylates twitchin, initiating the catch state of invertebrate smooth muscle		YAMADA Akira YOSHIO Maki NAKAMURA Akio* KOHAMA Kazuhiro* OOIWA Kazuhiro
2004/07/26	OPTICS EXPRESS	Impact of mode partition noise in free-running gain-switched Feby-Perot laser for 2-dimensional OCDMA	Vol.12 No.15 pp3334-3340	Wang Xu K. T. Chan*
2004/08/01	IEICE TRANSACTIONS ON COMMUNICATIONS	Rate-Compatible Punctured Bit-Interleaved Coded Modulation for Mobile Satellite Communications	Vol.E87-B No.8 pp2082-2089	MINOWA Tadashi
2004/08/01	IEICE TRANSACTIONS ON COMMUNICATIONS	Elevation properties of a Quasi-zenith Satellite System using circular orbits	Vol.E87-B No.8 pp2142-2151	KIMURA Kazuhiro
2004/08/01	IEICE TRANSACTIONS ON COMMUNICATIONS	A Study on Satellite Constellation for Continuous ISL and Satellite Diversity	Vol.E87-B No.8 pp2132-2141	SUZUKI Ryutarō
2004/08/01	JOURNAL OF CRYSTAL GROWTH	Estimation of band-gap energy of intrinsic InN from photoluminescence properties of undoped and Si-doped InN films grown by plasma-assisted molecular-beam epitaxy	Vol.269 pp162-166	HIGASHIWAKI Masataka MATSUI Toshiaki
2004/08/01	IEICE TRANSACTIONS ON COMMUNICATIONS	A Prototype Modem with the Capability of Unequal Error Protection Developed for ETS-VIII Experiments	Vol.E87-B No.8 pp2090-2098	Li Huan-Bang OOKAWA Mitugu SARUWATARI Nobufumi KARIYA Noriyuki
2004/08/01	Information Processing Society of Japan	Steganography on Digital Documents by Adjustment of New-line Positions	Vol.45 No.8 pp1977-1979	TAKIZAWA Osamu MATSUMOTO Tsutomu* NAKAGAWA Hiroshi* MURASE Ichiro* MAKINO Kyoko*
2004/08/01	IEICE TRANSACTIONS ON COMMUNICATIONS	Iterative decoding with LDPC based unitary matrix modulation with splitting over the coherence bandwidth for OFDM	Vol.E87-B No.8 pp2411-2414	Ahn Chong-Jun
2004/08/01	IEICE TRANSACTIONS ON COMMUNICATIONS	Quantitative Evaluation of Time Diversity as a Novel Attenuation Mitigation Technology for future High Speed Satellite Communication	Vol.E87-B No.8 pp2119-2123	FUKUCHI Hajime NAKAYAMA Tetsuya
2004/08/01	The Institute of Electronics, Information and Communication Engineers	On the Resolving Local Ambiguity in Visual Recognition: Modeling by the Tree-Structured Markov Random Fields	Vol.J87-D-II No.8 pp1697-1706	DATE Akira

2004/08/01	IEICE TRANSACTIONS ON COMMUNICATIONS	Wearable Microstrip Antenna for Satellite Communications	Vol.E87-B No.8 pp2066-2071	TANAKA Masato Jae-Hyeuk Jang
2004/08/01	IEICE TRANSACTIONS ON COMMUNICATIONS	Simple Millimeter-Wave Quasi-Maximal-Ratio-Combining Antenna Diversity System Based on Millimeter-Wave Self-heterodyne Transmission Technique	Vol.E87-13 No.8 pp2203-2211	SHOJI Youzou OGAWA Hiroyo
2004/08/01	IEEE PHOTONICS TECHNOLOGY LETTERS	All Optical reshaping in 160 Gbit/s OTDM receiver using an XAM gate followed by an SPM discriminator	Vol.16 No.8 pp1909-1911	MIYAZAKI Tetsuya KUBOTA Fumito
2004/08/01	JOURNAL OF ATMOSPHERIC AND OCEANIC TECHNOLOGY'AMS	Accuracy of Wind Fields Observed by a Bistatic Doppler Radar Network	Vol.20 pp1077-1091	SATO Shinsuke Joshua Wurman*
2004/08/01	JOURNAL OF CELL SCIENCE	Activation of the pheromone-responsive MAP kinase drives haploid cells to undergo ectopic meiosis with normal telomere clustering and sister chromatid segregation in fission yeast.	Vol.117 No.17 pp3875-3886	YAMAMOTO Takaharu CHIKASHIGE Yuji OZOE Fumiyo* KAWAMUKAI Makoto* HIRAOKA Yasushi
2004/08/09	SOLID STATE PHENOMENA	Growth of InAs quantum dots on a low lattice-mismatched AlGaSb layer prepared on GaAs (001) substrates	Vol.99-101 pp49-52	YAMAMOTO Naokatsu AKAHANE Kouichi GOZU Shin-ichiro OOTANI Naoki
2004/08/20	Information Processing Society of Japan	Design and Evaluation of a User Adaptation Method for Impression-based Music-retrieval-	Vol.3 No.LD-002 pp55-58	KUMAMOTO Tadahiko

