

List of Published Presentation Papers (Sep.2003—Feb.2004)

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Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2003/9/1	Capacity of a Phase Noise Channel and Its Effect on Turbo-Trellis-Coed Modulation with High-Order QAM signals	IEICE TRANSACTIONS ON COMMUNICATIONS	Vol.E86-B No.9 pp.2610-2619	MINOWA Tadashi
2003/9/1	Rule and Density Behavior in Rule-Dynamical Systems - Correspondence of Rule Sequence to Small Density-range -	PROGRESS OF THEORETICAL PHYSICS SUPPLEMENT	No.150 pp.357-362	Kim Song-Ju
2003/9/1	A Study of the Man-machine Interface and Skill Levels of Operators by Analyzing Eye Movements in the Operation of a Space Robot	The Society of Instrument and Control Engineers	Vol.39 No.9 pp.848-856	NAGAI Yasufumi TSUCHIYA Shigeru KIMURA Shin-ichi
2003/9/1	Non-contact atomic force microscopy observation of 5-(4-methylthiophenyl)-10, 15, 20-tris(3, 5-di-t-butylphenyl) porphyrin molecules deposited on Au(111) surface	THIN SOLID FILMS	Vol.438-439 pp.56-60	TANAKA Shukichi SUZUKI Hitoshi KAMIKADO Toshiya MASHIKO Shinro
2003/9/1	Molecular-Beam Apparatus with a Spray-Jet Technique and Its Applications	THIN SOLID FILMS	Vol.438-439 pp.7-13	YAMADA Toshii SHINOHARA Hidenori Maofa Ge KIMURA Katsumi* MASHIKO Shinro
2003/9/1	Application of negative refractive behavior to field-of-view expansion in optical receivers	JOURNAL OF OPTICS A-PURE AND APPLIED OPTICS	Vol.5 pp.S305-S309	TAKAYAMA Yoshihisa Klaus Werner
2003/9/1	Optimizing preparation of as-grown MgB2 thin films made using the co-evaporation method	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	Vol.392-396 No.2 pp.1291-1295	SHIMAKAGE Hisashi SAITO Atsushi KAWAKAMI Akira Wang Zhen
2003/9/1	Quantitative Analyses of Misusage of Polite Expressions	The Mathematical Linguistic Society of Japan	Vol.24 No.2 pp.65-80	SHIRADO Tamotsu MARUMOTO Satoko* ISAHARA Hitoshi
2003/9/1	A radio propagation model within birefringent and layered medium in the Antarctic ice sheet, and its preliminary assessment	Japanese Society of Snow and Ice	Vol.65 No.5 pp.441-456	MAENO Hideo KOZU Toshiaki* URATSUKA Seiho FUJITA shuji*
2003/9/1	Human Precentral Cortical Activation Patterns during Saccade Tasks: An fMRI Comparison with Activation during Intentional Eyeblink Tasks	NEUROIMAGE	Vol.19 No.4 pp.1260-1272	KATO Makoto MIYAUCHI Satoru
2003/9/1	A comparison between vertical winds in the lower thermosphere and magnetic field perturbations on the ground	Advances in Polar Atmosphere Research	No.17 pp.137-145	ISHII Mamoru Mark Conde* Roger W. Smith* Matt Krynicki* SAGAWA Eiichi WATARAI Shin-ichi
2003/9/1	Study on the interaction between different solute molecules in a molecular beam produced by the spray-jet technique: an application to dendrimer/dye system	CHEMICAL PHYSICS LETTERS	Vol.379 pp.458-465	YAMADA Toshii Maofa Ge SHINOHARA Hidenori* KIMURA Katsumi* MASHIKO Shinro
2003/9/1	Telomere Organization and Nuclear Movements	The Molecular Biology of Schizosaccharomyces pombe	pp.191-205	HIRAOKA Yasushi CHIKASHIGE Yuji
2003/9/1	Fabrication of epitaxial NbN/MgO/NbN tunnel junctions using an ion-beam sputtered tunnel barrier	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	No.392-396 pp.1387-1391	KAWAKAMI Akira MIKI Shiget* Wang Zhen
2003/9/1	High-speed testing of tandem-Banyan network switch component	PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS	Vol.392-396 pp.1485-1489	TERAI Hirotaka KAMEDA Yoshio* YOROZU Shin-ichi* KAWAKAMI Akira YOSHIKAWA Nobuyuki* Wang Zhen
2003/9/4	Fabrication of three-dimensional microstructure in an optical gain medium using two-photon-induced photopolymerization technique	THIN SOLID FILMS	Vol.438 pp.452-456	YOKOYAMA Shiyoshi NAKAHAMA Tatsuo MIKI Hideki MASHIKO Shinro
2003/9/8	Freezing Height Distribution in the Tropics	International Journal of Satellite Communications	Vol.21 pp.533-545	Merhala Thurai E Deguchi* IGUCHI Toshio K Okamoto*
2003/9/10	Atom lithography with ytterbium beam	APPLIED PHYSICS B-LASERS AND OPTICS	Vol.77 No.4 pp.415-419	OOMUKAI Ryuuzou URABE Shinji* WATANABE Masayoshi
2003/9/15	Continuous-Wave Millimeter Wave Generation at 94 GHz in a Lithium Niobate Nonlinear Optical Waveguide Using Modulated Optical Input	APPLIED PHYSICS LETTERS	Vol.83 No.11 pp.2133-2135	HORI Toshihiro Park Ki-ham*
2003/9/18	23 cm long Bi2O3-based EDFA for picosecond pulse amplification with 80 nm gain bandwidth	ELECTRONICS LETTERS	Vol.39 No.19 pp.1374-1375	SATOBAYASHI Hideyuki Juliet T. Gopinath* Erich P. Ippen*
2003/10/1	Derivation of TEC and estimation of instrumental biases from GEONET in Japan	ANNALES GEOPHYSICAE	Vol.21 No.10 pp.2083-2093	Ma Guanyi MARUYAMA Takashi
2003/10/1	Intensity Fluctuations in Laser-Links between Ground and Satellite	The Institute of Electronics, Information and Communication Engineers	Vol.J86-B No.10 pp.2117-2125	TOYODA Masahiro
2003/10/1	FEASIBILITY STUDY OF THE O II 83.4-nm IMAGING OF IONOSPHERE AND MAGNETOSPHERE	ADVANCES IN SPACE RESEARCH	Vol.32 No.3 pp.441-446	YAMAZAKI Atsushi YOSHIKAWA ichiro* TAKIZAWA yoshiyuki* MIYAKE Wataru NAKAMURA Masato*

2003/10/1	Widely-tunable femtosecond soliton pulse generation at a 10-GHz repetition rate by use of the soliton self-frequency shift in photonic crystal fiber	OPTICS LETTERS	Vol.28 No.19 pp.1760-1762	Abedin Kazi Sarwar KUBOTA Fumito
2003/10/1	A tuning circuit with two half-wave distributed junctions for all-NbN SIS mixers	INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES	Vol.24 No.10 pp.1749-1757	UZAWA Yoshinori TAKEDA Masanori KAWAKAMI Akira Wang Zhen
2003/10/1	The Overview of the New Generation Mobile Communication System and the Role of Software Defined Radio Technology	IEICE Transaction on Communications	Vol.E86-B No.12 pp.3374-3383	HARADA Hiroshi KUROIWA Hiroshi MORIKAWA Hiroyuki WAKANA Hiromitsu ADACHI Fumiyuki
2003/10/1	Four-year result of external calibration for Precipitation Radar (PR) of the Tropical Rainfall Measuring Mission (TRMM) Satellite	IEEE Transactions on Geoscience and Remote Sensing	Vol.41 No.10 pp.2398-2403	TAKAHASHI Nobuhiro KUROIWA Hiroshi KAWANISHI Toneo*
2003/10/1	Characteristics of the Japanese Conjunction "de" in Spontaneous Speech	Information Processing Society of Japan	Vol.44 No.10 pp.2444-2447	OHTA Kimiko ISAHARA Hitoshi
2003/10/10	Analysis of Evaluation Results and Features of Sentence Extraction on Different Corpora	The Association for Natural Language Processing	Vol.10 No.5 pp.93-120	NOBATA Chikashi SEKINE Satoshi* ISAHARA Hitoshi
2003/10/25	Electrical Response of the Supramolecular Helical Structure and Laser Action in Chiral Photonic Bandgap Liquid Crystals	The Society of Polymer Science, Japan	Vol.60 No.10 pp.555-560	FURUMI Seiichi YOKOYAMA Shiyoshi OTOMO Akira MASHIKO Shinro
2003/11/1	Control of electron density in InN by Si doping and optical properties of Si-doped InN	PHYSICA STATUS SOLIDI B-BASIC RESEARCH	Vol.240 No.2 pp.417-420	HIGASHIWAKI Masataka INUJIMA Takashi* MATSUI Toshiaki
2003/11/1	Development of Epitaxial NbN/MgO/NbN-Superconductor-Insulator-Superconductor Mixers for Operations over the Nb Gap Frequency	APPLIED PHYSICS LETTERS	Vol.83 No.19 pp.3954-3956	KAWAKAMI Akira UZAWA Yoshinori Wang Zhen
2003/11/1	Mobility Support GIS with Route Accessibility Information for Pedestrians	Human Interface Society	Vol.5 No.4 pp.413-420	YAIRI Ikuko YOSHIOKA Hiroshi* KOMATSU Masanori* IGI Seiji
2003/11/1	Space Weather Forecast	THE JAPAN SOCIETY FOR AERONAUTICAL AND SPACE SCIENCES	Vol.51 No.598 pp.274-281	WATARI Shin-ichi
2003/11/1	Research on Mobile Communications in Microwave and Millimeter-wave Frequency Ranges at CRL	WIRELESS PERSONAL COMMUNICATIONS	Vol.26 pp.117-133	HARADA Hiroshi FUJISE Masayuki
2003/11/1	Soliton self-frequency shift and compression of pulses at 10 GHz repetition rate in photonic crystal fiber	OSA proceedings volume TOPS 92, Optical Amplifiers and Their Applications 2003	Vol.92 pp.70-173	Abedin Kazi Sarwar KUBOTA Fumito
2003/11/1	Modular Manipulators	The Robotics Society of Japan	Vol.21 No.8 pp.15-18	KIMURA Shinichi YAMAMOTO Hiroshi
2003/11/1	Automatic Paraphrasing of Chinese Utterances	Journal of Chinese Information Processing	Vol.17 No.6 pp.31-38	Yujie Zhang YAMAMOTO Hidekazu*
2003/11/5	A new design approach based on a multi-wiring-layer process for high-density SFQ circuits	SUPERCONDUCTOR SCIENCE & TECHNOLOGY	Vol.16 No.12 pp.1464-1469	TERAI Hirotaka YOROZU Shin-ichi* FUJIMAKI Akira* YOSHIKAWA Nobuyuki* Wang Zhen
2003/11/15	Cytoplasmic dynein in fungi: insights from nuclear migration	JOURNAL OF CELL SCIENCE	Vol.116 No.22 pp.4501-4512	YAMAMOTO Ayumu HIRAOKA Yasushi
2003/11/21	Experimental demonstration of quantum source coding	PHYSICAL REVIEW LETTERS	Vol.91 No.21 pp.217-902	MIMORI Yasuyoshi J. A. Vaccaro* S. M. Barnett* E. Andersson* HASEGAWA Atsushi TAKEOKA Masahiro SASAKI Masahide
2003/12/1	The operational model of Dst forecast	ADVANCES IN SPACE RESEARCH	Vol.31 No.4 pp.830-834	WATANABE Shigeaki SAGAWA Eiichi OHTAKA Kazuhiro SHIMAZU Hironori
2003/12/1	Optical heterodyne detection technique for densely multiplexed millimeter-wave-band radio-on-fiber systems (invited)	IEEE Journal of Selected Topics in Quantum Electronics	Vol.21 No.12 pp.3167-3179	KURI Toshiaki KITAYAMA Ken-ichi*
2003/12/1	Overview of Research and Development in Ultra Wideband Wireless Systems	The Institute of Electronics, Information and Communication Engineers	Vol.J86-A No.12 pp.1264-1273	KOBAYASHI Takehiko KOUYA Satoshi*
2003/12/1	Measurement of Chromatic Dispersion in Optical Fibre Using a Common Path Polarization Interferometer	IEE Proceedings- Circuits, devices and systems	Vol.150 No.6 pp.486-489	Abedin Kazi Sarwar KUBOTA Fumito
2003/12/1	Terahertz-photomixing efficiency of a photoconductive antenna embedded in a three-dimensional photonic crystal	Japanese Journal of Applied Physics, Part 2	Vol.42 No.12A pp.L1442-L1445	IIDA Masaru TANI Masahiko* Gu Ping* SAKAI Kiyomi WATANABE Masayoshi KITAHARA Hideaki* KATO Seiji* SUENAGA Masanori* KONDO Hirotaka*

2003/12/1	A New Flexible Symbol - Timing Synchronization Multi-Mode Software Radio Technology	IEICE Transaction on Communications	Vol.E86-B No.12 pp.3521-3529	HARADA Hiroshi NAKAMURA Hiroki* IKEGAMI Tetsushi* FUJISE Masayuki
2003/12/1	Feasibility Study on Over-the Air Software Download for Software-Radio-Based Intelligent Transport Systems	IEICE Transaction on Communications	Vol.E86-B No.12 pp.3425-3432	HARADA Hiroshi FUJISE Masayuki
2003/12/1	Beat-signal synchronisation for optical generation of millimetre-wave signals	Electronics Letters	Vol.39 No.24 pp.1740-1741	HYODO Masaharu Abedin Kazi Sarwar ONODERA Noriaki* WATANABE Masayoshi
2003/12/1	Modeling of "Gredual" Solar Energetic Particle Events Using a Stochastic Differential Equation Method	Advances in Space Research	Vol.32 No.12 pp.2685-2690	DEN Mitsue YOSHIDA Tatsuo* YAMASHITA Kazuyuki*
2003/12/1	Enhancement in Low-energy Region of a Proton Flux Associated with Interplanetary Shock Waves	Advances in Space Research	Vol.32 No.12 pp.2667-2672	DEN Mitsue YOSHIDA Tatsuo* YAMASHITA Kazuyuki*
2003/12/8	Femtosecond timing measurement and control using ultrafast organic thin films	Applied Physics Letters	Vol.83 No.23 pp.4869-4871	NARUSE Makoto MITSU Hiroyuki* FURUKI Makoto* IWASA Izumi* SATO Yasuhiro* TATSUURA Satoshi* Tian Minquan*
2003/12/11	OC-192 RZ Signal Transmission over 100-km Standard Single-Mode Fiber using a Wavelength-Shift-Free Optical Phase Conjugator	IEE Electronics Letters	Vol.39 No.25 pp.1842-1844	INOUE Jun KUBOTA Fumito
2003/12/29	Quantum channel using photon number correlated twin beams	OPTICS EXPRESS	Vol.11 No.26 pp.3592-3597	Yun Zhang KASAI Katsuyuki HAYASAKA Kazuhiro
2004/1/1	Optical manipulation of multiple stable states in photorefractive four-wave mixing	Journal of Modern Optics	Vol.51 No.2 pp.17-208	TAKAYAMA Yoshihisa OKAMOTO jun*
2004/1/1	Computation by Asynchronously updating Cellular Automata	Journal of Statistical Physics	Vol.114 pp.261-289	ADACHI Susumu Peper Ferdinand Lee Jia
2004/1/1	Harmonic synchronization of Fourier-synthesized optical pulses to an external optical clock	IEEE Photonics Technology Letters (IEEE LEOS Publication)	Vol.16 No.1 pp.281-283	HYODO Masaharu Abedin Kazi Sarwar ONODERA Noriaki* WATANABE Masayoshi
2004/1/1	Space charge measurement of polyimide films	The Institute of Electrical Engineers of Japan	Vol.124 No.1 pp.104-105	FUKUNAGA Kaori MAENO Takashi
2004/1/1	Secret Sharing Scheme Using Natural Language Text	Information Processing Society of Japan	Vol.45 No.1 pp.320-323	TAKIZAWA Osamu YAMAMURA Akihiro
2004/1/1	Enhancement of Field Confinement by Deforming perfectly Periodic Structures in One-Dimensional Slab waveguide	Optics Communications	pp.161-165	HORI Toshihiro
2004/1/1	Designing the System to Support Remote Communication on Embodied Space and the Development of the System	Information Processing Society of Japan	Vol.45 No.1 pp.178-187	KOYAMA Shinya KUZUOKA Hideaki* KOUSAKA Jun-ichi* YAMAZAKI Keiichi*
2004/1/1	A Study on Treatment of a Film by Acoustic FDTD	The Institute of Electronics, Information and Communication Engineers	Vol.J84-B No.1 pp.86-88	HANAZAWA Masahiro
2004/1/1	A 10-GHz, 1-ps regeneratively modelocked fibre laser incorporating highly nonlinear and dispersive photonic crystal fibre for intracavity nonlinear pulse compression	IEE Electronics Letters	Vol.40 No.1 pp.58-59	Abedin Kazi Sarwar KUBOTA Fumito
2004/1/14	Existence of thresholds in proton flares and application to SEP alerts	Space Weather: The International Journal of Research and Applications		KUBO Yuuki AKIOKA Maki
2004/1/21	Cold collisions between Boson or Fermion molecules	Physical Review A	Vol.69 No.12709 pp.1-8	KAJITA Masatoshi
2004/1/22	Conformational Study of Porphyrin-based molecules using Non-contact Atomic Force Microscopy	Nanotechnology (Institute of Physics, Ireland)	Vol.15 pp.87-90	TANAKA Shukichi SUZUKI Hitoshi KAMIKADO Toshiya MASHIKO Shinro
2004/1/28	Fault-tolerance in biological systems simulated on asynchronous cellular automata	9th International Symposium on Artificial Life and Robotics (AROB), 28-30 Jan 2004	Vol.1 pp.61-66	Peper Ferdinand ISOKAWA Teijirou* ABO Fukutaro* Lee Jia ADACHI Susumu MATSUI Nobuyuki* MASHIKO Shinro
2004/2/1	Method of hologram multiplexing by use of a fiber bundle with rotary movement	Applied Optics	Vol.43 No.6 pp.1331-1336	TAKAYAMA Yoshihisa OKAZAKI Yumi* Zhang Jiasen* ARUGA Tadashi KODATE Kashiko*
2004/2/1	Long-Range Ocean Rader Observation of Kuroshio Upstream Region in the East China Sea	The Oceanographic Society of Japan	Vol.41 No.2 pp.119-127	SATO Kenji MATSUOKA Takeshi KOJIMA Syoichiro FUJII Satoshi

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2004/2/1	Detectoin of Shocked Molecular Gas by Full-Extant Mapping of the Supernova Remnant W44	Astronomical Journal	Vol.127 pp.1098-1116	SETA Masumichi T.Hasegawa* S.Skamoto* T.Oka* T.Sawada* S.Inutsuka* H.koyama* M.Hayashi*
2004/2/1	A novel vector spatial field mapping technique using electro-optic sampling	IEICE TRANSACTIONS ON ELECTRONICS	Vol.E87-C No.2 pp.246-249	MATSUO Yoshiro KAWANISHI Tetsuya OIKAWA Satoshi* HIGUMA Kaoru* IZUTSU Masayuki
2004/2/1	VOP Selection Algorithm in Video Encoding of Real-time Contents Edition System	Information Processing Society of Japan	Vol.45 No.2 pp.498-508	MIURA Yasuyuki KATSUMOTO Michiaki
2004/2/20	Effects of ionospheric correction on GPS time transfer throughout Asia	Metrologia	Vol.41 pp.141-151	FUJIEDA Miho IMAE Michito SHIBUYA Yasuhisa