

## List of Published Presentation Papers (Jun.2001—Aug.2001)

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Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2001/08/01	Drift motion of ionospheric arc-like absorption region observed with a 256-beam imaging riometer in Alaska	EARTH PLANETS AND SPACE	Vol.53 pp753-760	Syoji KAINUMA Mamoru ISHII Yasuhiro MURAYAMA Takashi KIKUCHI Hirotaka MORI Kiyoshi IGARASHI
2001/07/01	Simulation-Based Analysis of Dependence of the Mean Storm Height Measured with a Spaceborne Radar on its Angle from the Nadir	JOURNAL OF ATMOSPHERIC AND OCEANIC TECHNOLOGY	Vol.18 No.7 pp1127-1135	Yuji OHSAKI Kenji NAKAMURA* Takao TAKEDA*
2001/08/01	Field-aligned Current Effects on Midlatitude Geomagnetic Sudden Commencements	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.106 No.A8 pp15555-15565	Takashi KIKUCHI Satoru TSUNOMURA* Kumiko HASHIMOTO Kenrou NOZAKI
2001/06/25	Specular reflection enhancement and reduction from the surface of a photorefractive crystal in the presence of a "pump" beam	APPLIED PHYSICS LETTERS	Vol.78 No.25 pp3986-3988	Jiasen Zhang Shin YOSHIKADO Tadashi ARUGA
2001/08/01	Validation of rain/no-rain discrimination in the standard TRMM data products 1B21 and 1C21	IEICE TRANSACTIONS ON COMMUNICATIONS	Vol.E84-B No.8 pp2321-2325	Yuji OHSAKI
2001/07/01	Adaptive Array Algorithms for Radio Transmitter Identification Based on the Transient Response (in Japanese)	THE TRANSACTIONS OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND COMMUNICATION ENGINEERS B	Vol.J84-B No.7 pp1233-1238	Ken IWASAKI Masaaki SHIBUKI Tsutomu SUGIYAMA
2001/06/01	Vertical wind observations with Two Fabry-Perot Interferometers at Poker Flat, Alaska	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.106 No.A6 pp10537-10552	Mamoru ISHII Mark Conde* Roger.W.Smith* Mathew Krynychy* Eiichi SAGAWA Shin-ichi WATARI
2001/08/20	Application of an exclusively binarized correlation-calculation method to wind velocity measurement by use of stellar scintillation patterns	APPLIED OPTICS	Vol.40 No.24 pp4041-4049	Shin OYA Masao TAKABE Tadashi ARUGA
2001/08/24	Optimal Phase estimation and square root measurement	JOURNAL OF PHYSICS A	Vol.34 pp7017-7027	Masahide SASAKI Carlini Alberto A.Cheffes*
2001/08/01	Quantum Template Matching	PHYSICAL REVIEW A	Vol.64 pp22317	Masahide SASAKI Carlini Alberto Richard Jozsa*
2001/06/01	Synthesis and Editing Tool for Japanese Sign Language Animation (in Japanese)	THE TRANSACTIONS OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND COMMUNICATION ENGINEERS D-I	Vol.J84-D-I No.6 pp987-995	Seiji IGI Renji WATANABE* Shan LU
2001/06/01	Variable-Baseline Interferometer for Geosynchronous Orbit Monitoring (in Japanese)	THE TRANSACTIONS OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND COMMUNICATION ENGINEERS B	Vol.J84-B No.6 pp1000-1009	Seiichirou KAWASE Fumitaka SAWADA
2001/08/01	1-Gbps VLBI, The First Detection of Fringes	EXPERIMENTAL ASTRONOMY	Vol.11 pp57-69	Junichi NAKAJIMA Yasuhiro KOYAMA Mamoru SEKIDO Noriyuki KURIHARA Tetsuro KONDO Moritaka KIMURA* Noriyuki KAWAGICHI*
2001/07/01	A simulation study for the performance of an on-board ATM switching scheme for broadband satellite communications network	SPACE COMMUNICATIONS	Vol.17 No.1-3 pp137-141	Naoko YOSHIMURA Naoto KADOWAKI
2001/07/01	A Remote Calibration for a Transmitting Array Antenna By Using Synchronous Orthogonal Codes	IEICE TRANSACTIONS ON COMMUNICATIONS	Vol.E84-B No.7 pp1808-1815	Masayuki OODO Ryu MIURA
2001/06/01	Super High Definition Images (WHD:Wide/Double HD) Transmission System (in Japanese)	THE TRANSACTIONS OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND COMMUNICATION ENGINEERS D-II	Vol.J84-D-II No.6 pp1094-1101	Kenji TANAKA Kenji SUZUKI Masahito SATO* Yoshiki ARAKAWA
2001/08/15	Direct measurement of chirp parameters of high-speed Mach-Zehnder-type optical modulators	OPTICS COMMUNICATIONS	Vol.195 pp399-404	Tetsuya KAWANISHI Kenji KOGO* Satoshi OIKAWA* Masayuki IZUTSU
2001/08/01	Reciprocating Optical Modulation for harmonic Generation	IEEE PHOTONICS TECHNOLOGY LETTERS	Vol.13 No.8 pp854-856	Tetsuya KAWANISHI Masahide SASAKI Shinichi SHIMOTSU* Satoshi OIKAWA* Masayuki IZUTSU
2001/06/05	An in vitro assay reveals essential protein components for the "catch" state of invertebrate smooth muscle	Proceedings of the National Academy of Sciences	Vol.98 No.12 pp6635-6640	Akira YAMADA Maki YOSHIO Hiroaki KOJIMA Kazuhiro OIWA
2001/06/01	The Future Generations of Mobile Communications Based on Broadband Access Methods	WIRELESS PERSONAL COMMUNICATIONS	Vol.17 No.2-3 pp175-190	Shingo OHMORI Yasushi YAMAO* Nobuo NAKAJIMA*
2001/08/01	RoF Transmission Technology for ITS and Mobile Communications	IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS, COMMUNICATIONS AND COMPUTER SCIENCES	Vol.E84-A No.8 pp1808-1814	Masayuki FUJISE
2001/06/01	A CMA Adaptive Array Antenna System with a Single Receiver Using Time-Division Multiplexing	IEICE TRANSACTIONS ON COMMUNICATIONS	Vol.E84-B No.6 pp1637-1646	Eimatsu MORIYAMA Yukiyo KAMIO Kiyoshi HAMAGUCHI Hiroshi FURUKAWA*

2001/07/01	<b>Method for Transmission Under Pulse-wise Noise Environments Using Wavelet Packet Modulation</b> (in Japanese)	THE TRANSACTIONS OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND COMMUNICATION ENGINEERS B	Vol.J84-B No.7 pp1163-1175	Eiji OKAMOTO Huan-Bang Li Hiromitsu WAKANA Masato TANAKA Hiroyo OGAWA
2001/07/19	<b>Technique to generate equal amplitude, higher-order optical pulses in rational harmonically modelocked fibre ring lasers</b>	ELECTRONICS LETTERS	Vol.37 No.15 pp948-950	Gupta Kamal Noriaki ONODERA* Masaharu HYODO
2001/08/01	<b>Ultra-Short 25-nm-Gate Lattice-Matched InAlAs/InGaAs High Electron Mobility Transistors within the Range of 400 GHz Cutoff Frequency</b>	IEEE ELECTRON DEVICE LETTERS	Vol.22 No.8 pp367-369	Yoshimi YAMASHITA Akira ENDOH Keisuke SHINOHARA Masataka HIGASHIWAKI Kohki HIKOSAKA Takashi MIMURA Satoshi HIYAMIZU* Toshiaki MATSUI
2001/06/01	<b>MRI based FEM models for analysis of Near infrared spectroscopy</b>	NEUROIMAGE	Vol.13 No.6 pp113	Hideo EDA Ichiro SASE Akitoshi SEIYAMA Akira TAKATSUKI YouMing Li* Masayuki YOKOTA* Toshio YANAGIDA
2001/07/01	<b>Orbit Determination Accuracy for Optically Tracked Near-Synchronous Satellites</b> (in Japanese)	Journal of the Japan Society for Aeronautical and Space Sciences	Vol.49 No.570 pp231-237	Seiichirou KAWASE
2001/08/15	<b>Characteristics of Medium-and Large-scale TIDs over Japan Derived from OI 630-nm Nightglow Observation</b>	EARTH, PLANETS AND SPACE	Vol.53 pp741-751	Minoru KUBOTA Hiroshii FUKUNISHI* S.OKANO*
2001/06/01	<b>Electron Cyclotron Resonance Plasma Etching of n-SiC and Evaluation of Ni/n-SiC Contacts by Current Noise Measurements</b>	JAPANESE JOURNAL OF APPLIED PHYSICS PART1	Vol.40 No.6A pp3979-3984	Nobuhisa TSNUMA Satoshi YASUKAWA* Saburo YOKOKURA Sumihisa HASHIGUCHI Josef SIKURA* Toshiaki MATSUI Munecazu TACANO
2001/06/01	<b>How do meiotic chromosomes meet their homologous partners? :Lessons from fission yeast</b>	BIOESSAYS	Vol.23 pp526-533	Ayumu YAMAMOTO Yasushi HIRAOKA
2001/08/01	<b>Communication Support System for User's Background Knowledge and the Context</b> (in Japanese)	THE TRANSACTIONS OF THE INSTITUTE OF ELECTRONICS, INFORMATION AND COMMUNICATION ENGINEERS D-I	Vol.J84-D-I No.8 pp1211-1221	Kaoru SUMI Toyoaki NISIDA
2001/08/01	<b>Subharmonic energy-gap structures and 1/f noise properties in Nb/Al+AlOx/Nb tunnel junctions</b>	PHYSICA C	Vol.357-360 pp1447-1450	Atsushi SAITO Akira KAWAKAMI Zhen Wang K.HAMAZAKI*
2001/08/01	<b>Interface-engineered Josephson junctions with high IcRn products</b>	PHYSICA C	Vol.357-360 pp1416-1419	Hisashi SHIMAKAGE R.H.One* L.R.Vale* Yoshinori UZAWA Zhen Wang