

List of Published Presentation Papers (Mar. 2010—Aug. 2010)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2010/03/01	Influence of air fluctuation and mechanical vibration on magnetic noise in a magnetically-shielded room	Journal of The Magnetics Society of Japan	Vol.34 No.2 pp.107-114	ABE Takayuki* YAMAZAKI Keita* TERAZONO Yasushi FUJIMAKI Norio MURATA Tsutomu OYAMA Daisuke* KOBAYASHI Koichiro*
2010/03/01	HopRec: Hop-based recommendation ability enhanced reputation ranking in P2P networks	IEICE TRANSACTIONS on Informations and Systems, Special Section on Trust, Security and Privacy for Pervasive Applications	E93-D No.3 pp.438-447	Yufeng Wang NAKANO Akihiro Jianhua Ma*
2010/03/01	Transcription of optical near-fields by photoinduced structural change in single crystal metal complexes for parallel nanophotonic processing	Applied Physics B: Lasers and Optics	Vol.98 No.4 pp.685-689	TATE Naoya* TOKORO Hiroko* TAKEDA Keiji* NOMURA Wataru* YATSUI Takashi* KAWAZOE Tadashi* NARUSE Makoto OOKOSHI Shinichi* OHTSU Motoichi*
2010/03/01	HIMALIS: Heterogeneity Inclusion and Mobility Adaptation through Locator ID Separation in New Generation Network	IEICE TRANSACTIONS on Communications	E93-B No.3 pp.478-489	Ved Prasad Kaffle INOUE Masugi
2010/03/01	On-Demand End-to-End Optical Network Construction for Grid Applications with Adaptive and Distributed Control over Multi-Domain WSONs	IEICE TRANSACTIONS on Communications	E93-B No.3 pp.536-545	Sugang Xu Wei ping Ren HARAI Hiroaki
2010/03/01	60-GHz-Band Switched-Beam Eight-Sector Antenna with SP8T Switch for 180 degrees Azimuth Scan	IEICE TRANSACTIONS on Communications	E93-B No.3 pp.551-559	MIURA Amane OHIRA Masataka* KITAZAWA Shoichi* UEBA Masazumi*
2010/03/01	Extraction and Visualization of Numerical and Named Entity Information from a Very Large Number of Documents Using Natural Language Processing	International Journal of Innovative Computing, Information and Control	Vol.6 No.3 pp.1549-1568	MURATA Masaki SHIRADO Tamotsu TORISAWA Kentaro IWATATE Masakazu* ICHII Koji* Ma Qing* KANAMARU Toshiyuki*
2010/03/01	60-GHz Wideband Substrate-Integrated-Waveguide Slot Array Using Closely Spaced Elements for Planar Multisector Antenna	IEEE Transactions on Antennas and Propagation	Vol.58 No.3 pp.993-998	OHIRA Masataka* MIURA Amane UEBA Masazumi*
2010/03/01	A GPU based real-time GPS software receiver	GPS Solutions	Vol.14 No.2 pp.207-216	Thomas Hobiger GOTOH Tadahiro AMAGAI Jun KOYAMA Yasuhiro
2010/03/01	Cytoplasmic localization of DNA polymerase in oocytes of the teleost fish, <i>Oryzias latipes</i>	Bulletin of Aichi University of Education Natural Sciences	Vol.59 pp.43-50	HARAGUCHI Tokuko NAGANO Hiroshi* IWAMATSU Takashi*
2010/03/01	Development of a Support system of Interactive distance learning to Synchronize presentation materials in Network obstructions(in Japanese)	Information Processing Society of Japan	Vol.51 No.3 pp.1008-1018	INOUE Hiroyuki HIYAMA Masayuki* KONDO Tohru* MAEDA Kaori*
2010/03/01	Performance Evaluation of Band-Limited Baseband Synchronous CDMA Using Orthogonal ICA Sequences	IEICE TRANSACTIONS on Fundamentals	E93-B No.3 pp.557-582	UMENO Ken
2010/03/01	Optical Mode-selection of Quantum Dot Frequency Comb Laser for 1-um Waveband Optical Communications	Japanese Journal of Applied Physics	Vol.49 04DG03-1~4	YAMAMOTO Naokatsu AKAHANE Kouichi KAWANISHI Tetsuya Katouf Redouane* SOTOBAYASHI Hideyuki
2010/03/01	Conjugate adjoining problem in braid groups and new design of braid-based signatures	Science in China Series F: Information Sciences	Vol.53 No.3 pp.524-536	Licheng Wang Lihua Wang Zhenfu Cao* Yixian Yang* Xinxin Niu*
2010/03/01	Performance Evaluation Peer-to-Peer Progressive Download in Broadband Access Networks	IEICE TRANSACTIONS on Communications	E93-B No.3 pp.600-608	SHIBUYA Megumi* OGISHI Tomohiko* YAMAMOTO Syu
2010/03/01	Biological Excitable Media Based on Non-excitable Cells and Calcium Signaling	Nano Communication Networks	Vol.1 No.1 pp.43-49	NAKANO T* Shuai J* KOUJIN Takako SUDA T* HIRAOKA Yasushi HARAGUCHI Tokuko
2010/03/01	Estimation of Raindrop Size Distribution by Using 400 MHz-Band Wind Profiler Radar (in Japanese)	IEICE TRANSACTIONS on Communications	J93-B No.3 pp.564-568	SEKIZAWA Shinya KAWAMURA Seiji NAGAI Seiji SATAKE Makoto NAKAGAWA Katsuhiko
2010/03/01	NICT New-Generation Network Vision and Five Network Targets	IEICE TRANSACTIONS on Communications	E93-B No.3 pp.446-449	NISHINAGA Nozomu

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2010/03/01	Design Guidelines for New Generation Network Architecture	IEICE TRANSACTIONS on Communications	E93-B No.3 pp.462–465	HARAI Hiroaki FUJIKAWA Kenji Ved Prasad Kafle MIYAZAWA Takaya MURATA Masayuki OHNISHI Masaaki OHTA Masataka UMEZAWA Takeshi	
2010/03/01	IP--: a reduced Internet Protocol for optical packet networking	IEICE TRANSACTIONS on Communications	E93-B No.3 pp.466–469	OHTA Masataka FUJIKAWA Kenji	
2010/03/02	Basic Requirements of Mobile Device Assistance with GIS/GPS to Improve the Quality of Life for the Disabled -Toward a Society that Supports the Potential of Ostromates -	Journal of eHealth Technology and Application	Vol.8 No.1 pp.23–26	TAKAHASHI Masato	
2010/03/03	Cut-off rate analysis of practical quantum receivers	Journal of Modern Optics	Vol.57 No.3 pp.207–212	TAKEOKA Masahiro TSUJINO Kenji* SASAKI Masahide	
2010/03/07	Evaluation of Ad hoc Network performance on city area emergency communication models(in Japanese)	The Journal of Social Safety Science	Vol.1 No.12 pp.1–9	GYODA Koichi* Nguyen Nam Hoang OKADA Kazunori TAKIZAWA Osamu	
2010/03/08	Inner angle of triangle on unit circle made of consecutive three points generated by chaotic map	JSIAM Letters	Vol.2 pp.9–12	TAKAHASHI Ryo* NAMEDA Etsushi* UMENO Ken	
2010/03/10	Performance Analysis of Synchronization Frame based Interference Mitigation in 60 GHz WPANs	IEEE Communications Letters	Vol.14 No.5 pp.471–473	An Xueli* Sum Chin-Sean Prasad Venkatesha* HARADA Hiroshi Niemegeers Ignas*	
2010/03/12	Demonstration of coherent-state discrimination using a displacement-controlled photon-number-resolving detector	PHYSICAL REVIEW LETTERS	Vol.104 No.100505 pp.1–4	Christoffer Wittmann* Ulrik L. Andersen* TAKEOKA Masahiro Denis Sych* Gerd Leuchs*	
2010/03/15	Comparison of Rytov Method and Moment Equation : Method for Predicting Beam Wave Fluctuations in Weak Turbulence(in Japanese)	The Review of Laser Engineering	Vol.38 No.3 pp.225–231	TOYODA Masahiro	
2010/03/15	160-Gb/s all-optical phase-transparent wavelength conversion through cascaded SFGDFG in a broadband linear-chirped PPLN waveguide	Optics Express	Vol.18 No.6 pp.6064–6070	Guo-Wei Lu SHINADA Satoshi FURUKAWA Hideaki WADA Naoya MIYAZAKI Tetsuya ITO Hiromasa*	
2010/03/15	160 Gb/s/port 2x2 OPS node test-bed performing 50 Gchip/s all-optical active label processing with contention detection.	IEEE/OSA JOURNAL OF LIGHTWAVE TECHNOLOGY	Vol.28 No.6 pp.922–930	Mirco Scaffardi* Emma Lazzeri* FURUKAWA Hideaki WADA Naoya MIYAZAKI Tetsuya Luca Poti* Antonella Bogoni*	
2010/03/20	Diffraction-grating-type phase converters for conversion of Hermite-Laguerre-Gaussian mode into Gaussian mode	APPLIED OPTICS	Vol.49 No.9 pp.1513–1517	SHOUJI Atsushi.* KURIHARA Kazuyoshi* OTOMO Akira SAITO Shingo	
2010/03/24	Practical method to estimate the standard deviation in absorption coefficients measured with THz time-domain spectroscopy	Optics Communications	2010.02 pp.1–4	Saroj R. Tripathi* AOKI Makoto* MOCHIZUKI Kento* HOSAKO Iwao ASAHI Toshiaki* HIROMOTO Norihisa	
2010/03/24	Asymmetric transfer of visuomotor learning between discrete and rhythmic movements	Journal of Neuroscience	Vol.30 No.12 pp.4515–4521	IKEGAMI Tsuyoshi* HIRASHIMA Masaya* TAGA Gentaro* NOZAKI Daichi	
2010/03/25	Probe calibration by using a different type of probe as a reference in GTEM cell above 1GHz	IEICE Electronics Express	Vol.7 No.6 pp.460–466	Ifong Wu ISHIGAMI Shinobu GOTOH Kaoru MATSUMOTO Yasushi	
2010/03/25	Proposal of Focus driven English Auditory Education System using Novel GPS receiving Unit with Azimuth Limitation Ability	Transaction of English Phonetic Society of Japan	Vol.2	TAKAHASHI Masato	
2010/03/26	Nanophotonic code embedded in embossed hologram for hierarchical information retrieval	Optics Express	Vol.18 No.7 pp.293–300	TATE Naoya* NARUSE Makoto YATSUI Takashi* KAWAZOE Tadashi* HOGA Morihisa* OHYAGI Yasuyuki* FUKUYAMA Tokuhiko* KITAMURA Mitsuru.* OHTSU Motoichi*	
2010/03/30	Terahertz spectroscopy applied to the analysis of artists' materials	Applied Physics A, Elsevier	Vol.100 No.3 pp.591–597	FUKUNAGA Kaori M. Picollo*	

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2010/03/31	An Unsupervised Model of Redundancy for Answer Validation	IEICE TRANSACTIONS on Information and Systems	E93-D No.3 pp.624–634	Wu Youzheng KASHIOKA Hideki NAKAMURA Satoshi	
2010/03/31	SDIPR: A generic P2P Semantic Distance Inference approach based on sPring Relaxation system	Journal of Internet Technology (JIT)	Vol.11 No.2 pp.181–192	Yufeng Wang NAKAO Akihiro Jianhua Ma*	
2010/04/01	The Temporal Evolution and Spatial Structure of the Local Easterly Wind Kiyokawa-dashi in Japan PART II: Numerical Simulations	Journal of the Meteorological Society of Japan	Vol.88 No.2 pp.161–181	SASAKI Kaori* SAWADA Masahiro* ISHII Shoken KANNO Hiromitsu* MIZUTANI Kohei MATSUSHIMA Dai* SHA Weiming* NODA Akira* UJIE Masashi* MATSUURA Yosuke* IWASAKI Toshiki*	
2010/04/01	Sub-shot-noise-limit discrimination of on-off keyed coherent signals via a quantum receiver with a superconducting transition edge sensor	Optics Express	Vol.18 No.8 pp.8107–8114	TSUJINO Kenji* FUKUDA Daiji* FUJII Go* INOUE Shuichiro* FUJIWARA Mikio TAKEOKA Masahiro SASAKI Masahide	
2010/04/01	Novel Joint Source-Channel Coding of Periodic ECG Signals for Reliable Wireless Patient Monitoring	IEICE TRANSACTIONS on Communications	E93-B No.4 pp.819–825	WATANABE Katsuhiko* TAKIZAWA Kenichi IKEGAMI Tetsushi	
2010/04/01	Repairing nanoscale scratched grooves on polycrystalline ceramics using optical near-field assisted sputtering	Applied Physics B: Lasers and Optics	Vol.99 No.40180 pp.75–78	NOMURA Wataru.* YATSUI Takashi.* YANASE Yoshiki.* SUZUKI Kenji.* FUJITA Mitsuhiro.* KAMATA Atsuyuki.* NARUSE Makoto OHTSU Motoichi.*	
2010/04/01	Low-Noise Waveguide-Type NbN/AlN/NbN SIS Mixers Approaching Terahertz Frequencies	IEEE TRANSACTIONS on Microwave Theory and Techniques	Vol.58 No.4 pp.841–848	Wenlei Shan* TAKEDA M.* KOJIMA T.* UZAWA Y.* Shengcai Shi* NOGUCHI T.* Zhen Wang	
2010/04/01	Coherent 2- μ m Differential Absorption and Wind Lidar with Conductively-Cooled Laser and Two-Axis Scanning Device	APPLIED OPTICS	Vol.49 No.10 pp.1809–1817	ISHII Shoken MIZUTANI Kohei FUKUOKA Hirotake.* ISHIKAWA Takayoshi.* Baron Philippe IWAI Hironari AOKI Tetsuo ITABE Toshikazu SATO Atsushi* ASAI Kazuhiro*	
2010/04/01	Premotor cortex mediates perceptual performance	NeuroImage	Vol.51 No.2 pp.844–858	Daniel Callan* Akiko Callan Mario Gamez* SATO Masa-aki* KAWATO Mitsuo*	
2010/04/01	Development of 1.5 THz waveguide NbTiN superconducting hot electron bolometer mixers	Journal of Superconductor Science and Technology	Vol.23 No.4 pp.1–7	Ling Jiang* SHIBA Shoichi.* SHIINO Tatsuya.* SHIMBO Ken.* SAKAI Nami.* YAMAKURA Tatsuya.* IRIMAJIRI Yoshihisa P. G. Ananthasubramanian* MAEZAWA Hiroyuki.* YAMAMOTO Satoshi.*	
2010/04/01	Electronic properties of femtosecond laser induced modified spots on single crystal silicon carbide	Materials Science Forum	Vol.645–648 pp.239–242	TOMITA Takuro* IWAMI Masahiro* YAMAMOTO Minoru* DEKI Manato* MATSUO Shigeki* HASHIMOTO Shuichi* NAKAGAWA Yoshinori* KITADA Takahiro* ISU Toshiro* SAITO Shingo SAKAI Kiyomi ONODA Shinobu* OHSHIMA Takeshi*	
2010/04/01	Longitudinal development of low-latitude ionospheric irregularities during the geomagnetic storms of July 2004	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.115 A04304 pp.1–7	Guozhu Li* Baiqi Ning* Lianhuan Hu* Libo Liu* Xinan Yue* Weixing Wan* Biqiang Zhao* IGARASHI K.* KUBOTA Minoru OTSUKA Yuichi* J. S. Xu* J. Y. Liu*	
2010/04/01	Phantom limb pain in the primary motor cortex: topical review	Journal of Anesthesia (in press)	Vol.24 No.2 pp.337–341	SUMITANI Masahiko* MIYAUCHI Satoru YOZU Arito* OHTAKE Yuhko* SAITOH Yoichi* YAMADA Yoshitsugu*	

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2010/04/01	Investigation of ASR systems for resource-deficient Languages	ACTA AUTOMATICA SINICA	pp.550–557	Dawa Idomuco* SAGISAKA Yoshinori NAKAMURA Satoshi
2010/04/01	Development of an Implantable WBAN Path-Loss Model for Capsule Endoscopy	IEICE TRANSACTIONS on Communications	E93-B No.4 pp.846–849	AOYAGI Takahiro TAKIZAWA Kenichi KOBAYASHI Takehiko TAKADA Junichi HAMAGUCHI Kiyoshi KOHNO Ryuji
2010/04/04	Hybrid ARQ Error-controlling Scheme for Robust and Efficient Transmission of UWB Body Area Networks	IEICE TRANSACTIONS on Communications	E93-B No.4 pp.826–832	SUZUKI Haruka* Marco Hernandez KOHNO Ryuji
2010/04/05	gCubik: Implementation of Graspable Cubic Auto-stereoscopic display for multi-user environments(in Japanese)	The Journal of the Institute of Image Information and Television Engineers	Vol.64 No.4 pp.570–576	YOSHIDA Shunsuke Roberto Lopez-Gulliver YANO Sumio* ANDO Hiroshi INOUE Naomi
2010/04/07	Emulation framework for the design and development of active RFID tag systems	Journal of Ambient Intelligence and Smart Environments	Vol.2 No.2 pp.155–177	Razvan Beuran NAKATA Junya KAWAKAMI Tetsuya* OKADA Takashi CHINEN Ken'ichi TAN Yasuo SHINODA Yoichi
2010/04/09	Solar proxies pertaining to empirical ionospheric total electron content model	JOURNAL OF GEOPHYSICAL RESEARCH, Space Physics	Vol.115 A04306 pp.1–12	MARUYAMA Takashi
2010/04/14	DoubleFace: robust reputation ranking based on link analysis in P2P networks (long version)	Cybernetics and Systems (Taylor & Francis)	Vol.41 No.2 pp.167–189	Yufeng Wang NAKAO Akihiro Thanos Vasilakos*
2010/04/15	Terahertz responses of the high-temperature metallic phase and photoinduced metallic state in the ferroelectric charge-ordered organic salt α -(ET) ₂ I ₃	PHYSICAL REVIEW B	Vol.81 No.15111 pp.1–6	NAKAYA Hidetaka* ITOH Keisuke* TAKAHASHI Yoshiyuki* ITOH Hirotake* IWAI Shinichiro* SAITO Shingo YAMAMOTO Kaoru* YAKUSHI Kyuya*
2010/04/21	Acute dosimetry and estimation of threshold-inducing behavioral signs of thermal stress in rabbits at 2.45-GHz microwave exposure	IEEE TRANSACTIONS on Biomedical Engineering	Vol.57 No.5 pp.1234–1242	HIRATA Akimasa* KOJIMA Masami* KAWAI Hiroki YAMASHIRO Yoko* WATANABE Souichi SASAKI Hiroshi* FUJIWARA Osamu*
2010/04/24	Resource-demanding versus cost-effective bimanual interaction in the brain	Experimental Brain Research	Vol.203 No.2 pp.407–418	ARAMAKI Yu* OSU Rieko SADATO Norihiro*
2010/04/25	Massively parallel computing on an organic molecular layer	Nature Physics	doi:10.1038/nphys1636 pp.369–375	Anirban Bandyopadhyay* Ranjit Pati* Satyajit Sahu* Peper Ferdinand FUJITA Daisuke*
2010/04/30	Comparison of Chinese Treebanks for Corpus-oriented HPSG Grammar Development	Journal of Natural Language Processing	Vol.17 No.3 pp.61	Kun Yu* MIYAO Yusuke* MATSUZAKI Takuya* Xiangli Wang* Yaoshong Zhang* UCHIMOTO Kiyotaka TSUJII Junichi*
2010/05/01	Prediction of sensorimotor feedback from efference copy of motor commands: A review of behavioral and functional neuroimaging studies	Japanese Psychological Research	Vol.52 No.2 pp.107–120	IMAMIZU Hiroshi
2010/05/01	Real-time visualization of electromagnetic waves propagating in air using live electro-optic imaging technique	OSA Optics Express	Vol.18 No.10 pp.10029–10035	KANNO Atsushi SASAGAWA Kiyotaka* SHIOZAWA Takahiro* TSUCHIYA Masahiro
2010/05/01	Influence of coherence between multiple cortical columns on alpha rhythm: A computational modeling study	Human Brain Mapping	Vol.31 No.5 pp.703–715	NARUSE Yasushi MATANI Ayumu MIYAWAKI Yoichi OKADA Masato*
2010/05/01	Phase-compensated Averaging for Analyzing Electroencephalography and Magnetoencephalography Epochs	IEEE TRANSACTIONS on Biomedical Engineering	Vol.57 No.5 pp.1117–1123	MATANI Ayumu NARUSE Yasushi TERAZONO Yasushi* IWASAKI Taro* FUJIMAKI Norio MURATA Tsutomu

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2010/05/01	Asymmetric tropospheric delays from numerical weather models for UT1 determination from VLBI Intensive sessions on the baseline Wettzell-Tsukuba	Journal of Geodesy	Vol.84 No.5 pp.319–325	Boehm Johannes* Thomas Hobiger ICHIKAWA Ryuichi KONDO Tetsuro KOYAMA Yasuhiro Pany Andrea* Schuh Harald* Teke Kamil*
2010/05/01	Mathematical antenna model with a rotationally symmetric beam for system design of wireless personal area networks (in Japanese)	IEICE TRANSACTIONS on Communications	J93-B No.5 pp.781–790	TOYODA Ichihiko* ANDO Makoto* IIGUSA Kyouichi SAWADA Hirokazu* SEKI Tomohiro* NISHI Seiji KITAZAWA Shoichi* MIURA Amane FUJITA Yoshitsugu* UCHIMURA Hiroshi* HIRACHI Yasutake*
2010/05/01	Investigation of haptic device requirements for hard object rendering (in Japanese)	Journal of Human Interface Society : human interface	Vol.12 No.2 pp.129–138	NAKAYAMA Koichi OSHIMA Chika* ANDO Hiroshi
2010/05/01	Generalization in motor adaptation: A computational perspective on recent developments	Japanese Psychological Research	Vol.52 No.2 pp.132–146	TANAKA Hirokazu
2010/05/01	MultiWavelength Recording with Random Pattern Reference Scheme	Optical Society of America	Vol.49 No.13 pp.2403–2408	INOUE Ai* TAKAYAMA Yoshihisa KODATE Kashiko*
2010/05/01	Learning Names without Vocabulary and Wording Limitation by Service Robots (in Japanese)	IEICE TRANSACTIONS on Information and Systems	J93-D No.5 pp.610–620	FUNAKOSHI Kotaro* KIMURA Noriyuki NAKANO Mikio* IWAHASHI Naoto
2010/05/01	STBCs with Orthogonal Decoder for Highly Time-Selective Channels	IEEE TRANSACTIONS on Consumer Electronics	Vol.56 No.2 pp.380–387	Villardi Gabriel Giuseppe T.F. Abreu* KOHNO Ryuji* HARADA Hiroshi
2010/05/01	Future Perspective of Quantum Cryptography	IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences	E93-A No.5 pp.910–913	SASAKI Masahide
2010/05/01	Fine-Grain Feature Extraction from Malware's Scan Behavior Based on Spectrum Analysis	IEICE TRANSACTIONS on Information and Systems	E93-D No.5 pp.1106–1116	ETOU Masashi SONODA Kotaro* INOUE Daisuke YOSHIOKA Katsunari* NAKAO Kouji
2010/05/04	Terahertz analysis of an East Asian historical mural painting	Journal of the European Optical Society, Rapid Publications	Vol.5 No.10024 pp.1–4	FUKUNAGA Kaori HOSAKO Iwao M.-J. Kim* Y. Kohdzuma* KOEZUKA T.* IKARI T.* X. Du*
2010/05/06	1550 nm band optical input module with superconducting single-flux-quantum circuit	Applied Physics Letters	Vol.96 No.182504 pp.1–3	SHINADA Satoshi TERAI Hirotaka Zhen Wang WADA Naoya
2010/05/09	Nucleotide-induced global conformational changes of flagellar dynein arms revealed by in situ analysis	Nature Structural & Molecular Biology	doi:10.1038/nsmb.1832 17 pp.761–767	Tandis Movassagh* Khanh Huy Bui* SAKAKIBARA Hitoshi OIWA Kazuhiro ISHIKAWA Takashi*
2010/05/10	Time domain spectral phase encoding/DPSK data modulation using single phase modulator for OCDMA application	OSA Optics express	Vol.18 No.10 pp.9879–9890	Xu Wang* Gao Zhensen* KATAOKA Nobuyuki WADA Naoya
2010/05/10	Transmit Power Control for Cognitive Radio Over a Rayleigh Fading Channel	IEEE TRANSACTIONS on Vehicular Technology	Vol.59 No.4 pp.1847–1857	Chen Sun Demessie Yohannes Alemseged Tran Ha Nguyen HARADA Hiroshi
2010/05/11	Ion ring in a linear multipole trap for optical frequency metrology	Physical Review A	Vol.81 043410 pp.1–9	C. Champenois* M. Marcianti* J. Pedregosa-Gutierrez* M. Houssin* M. Knoop* KAJITA Masatoshi
2010/05/12	Molecular informatics of nano-communication based on cells: A brief survey	Journal of Nano Communication Networks (Elsevier)	Vol.1 No.2 pp.118–125	Jian-Qin Liu
2010/05/24	Operating quantum waveguide circuits with superconducting single-photon detectors	APPLIED PHYSICS LETTERS	Vol.96 No.211101 pp.1–3	C. M. Natarajan* A. Peruzzo* MIKI Shigehito SASAKI Masahide Zhen Wang B. Baek* S. Nam* R. H. Hadfield* J. L. O'Brien*

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2010/05/31	Learning Lexicons from spoken Utterances Based on Statistical Model Selection (in Japanese)	Transactions of the Japanese Society for Artificial Intelligence	Vol.25 No.4 pp.549–559	TAGUCHI Ryo* IWAHASHI Naoto FUNAKOSHI Kotaro* NAKANO Mikio* NOSE Takashi* NITTA Tsuneo*
2010/06/01	Institutional Design for Service-Oriented Collective Intelligence (in Japanese)	IEICE TRANSACTIONS on Information and Systems	J93-D No.6 pp.675–682	ISHIDA Toru MURAKAMI Yohei
2010/06/07	Design of monolithic rectangular cavity of 30-cm length	Japanese Journal of Applied Physics	Vol.49 060209 pp.1–3	KOIDE Michi IDO Tetsuya
2010/06/09	Continuous adaptive beam pointing and tracking for laser power transmission	Optical Society of America, Optics Express	Vol.18 No.13 pp.13451–13467	Schaefer Christian Andreas
2010/06/10	120-Gb/s NRZ-DQPSK signal generation by a thin-lithium-niobate-substrate modulator	IEICE Electronics Express	Vol.7 No.11 pp.817–822	KANNO Atsushi SAKAMOTO Takahide CHIBA Akito KAWANISHI Tetsuya HIGUMA Kaoru* SUDOU Masaaki* ICHIKAWA Junichiro*
2010/06/10	gCubik+i Virtual 3D Aquarium: Natural Interface between a graspable 3D display and a Tabletop display	Transactions of the Virtual Reality Society of Japan	Vol.15 No.2 pp.1–9	Roberto Lopez-Gulliver YOSHIDA Shunsuke MAKINO Mao YANO Sumio* ANDO Hiroshi
2010/06/10	Vowel production manifold: Intrinsic factor analysis of vowel articulation	IEEE TRANSACTIONS on Audio, Speech, and Language Processing	Vol.18 No.5 pp.1053–1062	Lu Xugang Dang Jianwu*
2010/06/15	Numerical Throughput Analysis on Channel Interference in IEEE 802.15.3c WPAN based on Hybrid Multiple Access of CSMA/CA-TDMA	IEICE TRANSACTIONS on Communications	E93-B No.6 pp.1502–1514	Chang-Woo Pyo HARADA Hiroshi KATO Shuzo
2010/06/16	Large-scale traveling ionospheric disturbance observed by SuperDARN Hokkaido HF radar and GPS networks on December 15, 2006	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.115 A06309 pp.1–11	HAYASHI Hidekazu* NISHITANI Nozomu* OGAWA Tadahiko OOTSUKA Yuuichi* TSUGAWA Takuya HOSOKAWA Keisuke* SAITO Akinori*
2010/06/17	Multichannel SNSPD system with high detection efficiency at telecommunication wavelength	Optics Letters	Vol.35 No.13 pp.2133–2135	MIKI Shigehito YAMASHITA Taro FUJIWARA Mikio SASAKI Masahide Zhen Wang
2010/06/21	Development of GIS Terminal for Disaster Survey Applicable to Multi RFIDs for Positioning (in Japanese)	Theory and applications of GIS	Vol.18 No.1 pp.87–93	TAKIZAWA Osamu HOSOKAWA Masafumi* SHIBAYAMA Akihiro*
2010/06/25	Discrimination of binary coherent states using a homodyne detector and a photon number resolving detector	Physical Review A	Vol.81 062338 pp.1–11	C. Wittmann* U. L. Andersen* TAKEOKA Masahiro D. Sych* G. Leuchs*
2010/06/29	Impact of Electromagnetic Noise From PCs on Performance of Multiband-OFDM UWB Systems	IEEE TRANSACTIONS on Consumer Electronics	Vol.56 No.2 pp.348–352	MATSUMOTO Yasushi MURAKAMI T.* FUJII Katsumi SUGIURA Akira
2010/06/30	Solar cycle length and solar activity	Advances in Geosciences	Vol.21 ST pp.189–198	WATARI Shin-ichi
2010/06/30	Estimation of Accessible Probability in a Low Earth Orbit Satellite to Ground Laser Communications	RADIOENGINEERING	Vol.19 No.2 pp.249–253	TAKAYAMA Yoshihisa TOYOSHIMA Morio KURA Nobuhiro*
2010/06/30	Theoretical study and numerical analysis of 3D sound field reproduction system using directional microphones and boundary surface control	Transactions of the Virtual Reality Society of Japan	Vol.15 No.2 pp.231–242	KIMURA Toshiyuki
2010/06/30	Convective boundary layer above a subtropical island observed by C-band radar and interpretation using a cloud resolving model	Journal of the Meteorological Society of Japan	Vol.88 No.3 pp.285–312	MINDA Haruya* FURUZAWA Fumie* SATO Shinsuke NAKAMURA Kenji*
2010/06/30	Detecting Robot-Directed Speech by Situated Understanding in Physical Interaction	Transactions of the Japanese Society for Artificial Intelligence	Vol.25 No.6 pp.670–682	Xiang Xuo* IWAHASHI Naoto FUNAKOSHI Kotaro* NAKANO Mikio* TAGUCHI Ryo* MATSUDA Shigeki SUGIURA Komei OKA Natsuki*
2010/06/30	Solar cycle length and solar activity	Advances in Geosciences	Vol.21 pp.189–198	WATARI Shin-ichi

List of Published Presentation Papers (Mar. 2010—Aug. 2010)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2010/06/30	Artificial induction of autophagy around polystyrene microbeads (in Japanese)	Microscopy	Vol.45 No.2 pp.78–82	KOBAYASHI Shohei HARAGUCHI Tokuko
2010/07/01	Constraining a generative word alignment model with discriminative output	IEICE TRANSACTIONS on Information and Systems	E93-D No.7	GOH Chooi Ling WATANABE Taro YAMAMOTO Hirofumi SUMITA Eiichiro
2010/07/01	Evaluation of Uncertainties in Electromagnetic Disturbance Measurement above 1 GHz due to Site Imperfections	IEICE TRANSACTIONS on Communications	E93-B No.7 pp.1690–1696	TOSAKA Toshihide YAMANAKA Yukio
2010/07/01	Motion Image Quality Improvement of Video Systems with Hold-type Displays (in Japanese)	The Journal of The Institute of Image Information and Television Engineers	Vol.64 No.7 pp.1054–1061	KURITA Taiichiro
2010/07/01	Nucleoporin Nup98: a gatekeeper in the eukaryotic kingdoms	Genes to Cells	Vol.15 No.7 pp.1–9	IWAMOTO Masaaki ASAKAWA H* HIRAOKA Yasushi HARAGUCHI Tokuko
2010/07/01	Scenario Violation as GAPS Between Activity Patterns	New Mathematics and Natural Computation	Vol.6 No.2 pp.193–208	ABE Akinori* OHSAWA Yukio* KUWAHARA Noriaki* OZAKU Hiromi SAGARA Kaoru* KOGURE Kiyoshi*
2010/07/01	Lamin A precursor induces barrier-to-autointegration factor nuclear localization	Cell Cycle	Vol.9 No.13 pp.2600–2610	Cristina Capanni* Vittoria Cenni* HARAGUCHI Tokuko Stefano Squarzoni* Stefan Schuchner* Egon Ogris* Giuseppe Novelli* Nadir Mario Maraldi* Giovanna Lattanzi*
2010/07/01	Modification of two-photon excited fluorescence from quantum dots on SiN photonic crystals	Optics Letters	Vol.35 No.3 pp.309–311	Xingsheng Xu* YAMADA Toshiki YOKOYAMA Shiyoshi*
2010/07/01	Construction and Operation of a Generic HoneyPot System to Detect Attack Activities on Various Applications (in Japanese)	IEICE TRANSACTIONS on Information and Systems	J93-D No.7 pp.1125–1134	OHIRA Kenji* Jungsook Song TAKAKURA Hiroki* OKABE Yasuo*
2010/07/01	An Efficient Power Transmission System Using Phase Control of Multiple Inputs for 2D Communication (in Japanese)	IEICE TRANSACTIONS on Communications	J93-B No.7 pp.937–946	Zhang Bing OOTA Toshifumi KADO Youichi ITAI Hiroto* TEZUKA Ken-Ichi* ASAMURA Naoya*
2010/07/01	Development of an Onboard Circuit Switch and Performance Tests in the Geostationary Satellite Orbit (in Japanese)	IEICE TRANSACTIONS on Communications	J93-B No.7 pp.868–877	TAIRA Shinichi YAMAMOTO Shin-ichi TAKEDA Osamu*
2010/07/01	Optimum loss factor for a perfectly matched layer in finite-difference time-domain acoustic simulation	IEEE TRANSACTIONS on Audio, Speech, and Language Processing	Vol.18 No.5 pp.1068–1071	Parham Mokhtari TAKEMOTO Hironori NISHIMURA Ryouichi KATO Hiroaki
2010/07/01	Stealth Transmission of Time-Domain Spectral Phase Encoded OCDMA Signal Over WDM Network	IEEE Photonics Technology Letters	Vol.22 No.13 pp.993–995	Zhensen Gao* Xu Wang* KATAOKA Nobuyuki WADA Naoya
2010/07/01	Correction for shearing distortions in Echo-Planar Imaging	IEEE TRANSACTIONS on Magnetics	Vol.46 No.7 pp.2628–2634	Guoxiang Liu OSHIO Koichi* OGAWA Seigi* MURATA Tsutomu
2010/07/01	Development and Evaluation of Traffic Behavior Analysis System for Understanding Network Condition (in Japanese)	IEICE TRANSACTIONS on Information and Systems	J93-B No.7 pp.916–927	SUZUKI Kazuya* BABA Shunsuke* WADA Hidehiko* NAKAO Kouji TAKAKURA Hiroki* OKABE Yasuo*
2010/07/01	Glasses-free Table-style 3D display observed from surrounding viewpoints -A study of displaying principle and prototyping- (in Japanese)	Transactions of the Virtual Reality Society of Japan	Vol.15 No.2 pp.121–124	YOSHIDA Shunsuke YANO Sumio* ANDO Hiroshi
2010/07/01	Model-based automatic evaluation of second-language learner's English segmental duration characteristics	Acoustical Science & Technology, Acoustical Society of Japan	Vol.31 No.4 pp.267–277	Chatchawarn Hansakunbuntheung* KATO Hiroaki SAGISAKA Yoshinori
2010/07/01	Structural Dependency of Optical Excitation Transfer via Optical Near-Field Interactions between Semiconductor Quantum Dots	Applied Physics B: Lasers and Optics	Vol.100 No.1 pp.181–187	NOMURA Wataru* YATSUI Takashi* KAWAZOE Tadashi* NARUSE Makoto OHTSU Motoichi*
2010/07/01	The Conjugation-Specific Die5 Protein Is Required for Development of the Somatic Nucleus in both Paramecium and Tetrahymena	Eukaryotic Cell	Vol.9 No.7 pp.1087–1099	MATSUDA Atsushi Shieh A* Chalker D* Forney J D*

List of Published Presentation Papers (Mar. 2010—Aug. 2010)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2010/07/01	Effect of Measurement Distance on Gain Calibration of Pyramidal Horn Antenna	IEICE TRANSACTIONS on Communications	E93_B No.7 pp.1847–1850	HARIMA Katsushige
2010/07/08	Innovative non-invasive analysis techniques for cultural heritage using terahertz technology	Comptes-Rendus Physique (Physics of the French Academy of Science)	Vol.11 No.7–8 pp.519–526	FUKUNAGA Kaori HOSAKO Iwao
2010/07/14	Meso-r-scale convective systems observed by a 443-MHz wind-profiling radar with RASS in the Okinawa subtropical region	Journal of Atmospheric and Solar-Terrestrial Physics	Vol.73 No.9 pp.996–1009	MIKAMI Aya* KAWABATA Takuya* SATOH Shinsuke FURUMOTO Jun-Ichi* NAGAI Seiji MURAYAMA Yasuhiro TSUDA Toshitaka*
2010/07/15	Rayleigh lidar observations of reduced gravity wave activity during the formation of an elevated stratopause in 2004 at Chatanika, Alaska (65°N, 147°W)	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.115 D13109 pp.1–14	Brentha Thurairajah* Richard L. Collins* V.Lynn Harvey* Ruth S.Lieberman* MIZUTANI Kohei
2010/07/15	Enhanced electro-optic response of a poled polymer in a reflective microcavity	Optics Communications	Vol.283 No.14 pp.2935–2938	INOUE Azusa* INOUE Shin-ichiro YOKOYAMA Shiyoshi*
2010/07/15	Organizing the Web's Information Explosion to Discover Unknown Unknowns	New Generation Computing (Special Issue on Information Explosion)	Vol.28 pp.217–236	TORISAWA Kentaro Stijn De Saeger KAZAMA Jun-ichi SUMIDA Asuka* NOGUCHI Daisuke* KAKIZAWA Yasunori MURATA Masaki* KURODA Kou YAMADA Ichiro
2010/07/17	A Sr lattice clock at NICT and a design of an optical cavity to stabilize clock lasers (in Japanese)	The Review of Laser Engineering	Vol.38 No.7	IDO Tetsuya YAMAGUCHI Atsushi KOIDE Michi
2010/07/18	Framework for fast identification of community structures in large-scale social networks	Annals of Information Systems (AoIS)	Vol.12 pp.149–175	Leon Suematsu Yutaka Inti YUTA Kikuo*
2010/07/19	Inference in alpha rhythm phase and amplitude modeled on Markov random field using belief propagation from electroencephalograms	Physical Review E	Vol.82 011912 pp.1–11	NARUSE Yasushi TAKIYAMA Ken* OKADA Masato* MURATA Tsutomu
2010/07/23	Traversability: A case study for learning and perceiving affordances in robots	Adaptive Behavior	Vol.18 No.3_4 pp.258–284	Ugur Emre Erol SAHIN*
2010/07/26	In vivo evidence for the fibrillar structures of Sup35 prions in yeast cells	Journal of Cell Biology	Vol.190 No.2	Shigeo Kawai-Noma* Chan-Gi Pack* KOJIDANI Tomoko ASAKAWA Haruhiko* HIRAOKA Yasushi KINJO Masataka* HARAGUCHI Tokuko TAGUCHI Hideki* HIRATA Aiko*
2010/07/30	Optical continuous-variable qubit	Physical Review Letters	Vol.105 053602 pp.1–4	Jonas Neergaard-Nielsen TAKEUCHI Takeuchi* WAKUI Kentaro TAKAHASHI Hiroki* HAYASAKA Kazuhiro TAKEOKA Masahiro SASAKI Masahide
2010/08/01	Ultrahigh-sensitivity single-photon detection with linear-mode silicon avalanche photodiode	Optics Letters	Vol.35 No.15 pp.2621–2623	AKIBA Makoto TSUJINO Kenji* SASAKI Masahide
2010/08/01	E-Band Low-Noise Amplifier MMICs Using Nanogate InGaAs/inAlAs HEMT Technology	IEICE TRANSACTIONS on Electronics	E93-C No.8 pp.1251–1257	WATANABE Issei ENDO Akira MIMURA Takashi MATSUI Toshiaki
2010/08/01	Antenna Calibration Using the 3-Antenna Method with the In-Phase Synthetic Method	IEICE TRANSACTIONS on Communications	E93-B No.8 pp.2158–2164	FUJII Katsumi YAMANAKA Yukio KOIKE Kunimasa SUGIURA Akira
2010/08/01	Development of On-board Switching Technology in Wideband InterNetworking engineering test and Demonstrations Satellite (WINDS)	IEICE TRANSACTIONS on Communications	J93-B No.8 pp.1035–1042	KADOWAKI Naoto YOSHIMURA Naoko TAKAHASHI Takashi SUZUKI Ryutarou

List of Published Presentation Papers (Mar. 2010—Aug. 2010)

*outsiders

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter
2010/08/02	RF Wave Visions for Circuit Analyses and Diagnoses by Live Electrooptic Imaging Camera	International Journal of Microwave and Wireless Technologies (Cambridge Journal)	Vol.2 No.3-4 pp.341-347	TSUCHIYA Masahiro SHIOZAWA Takahiro*
2010/08/06	In situ real-time monitoring of changes in the surface roughness during nonadiabatic optical near-field etching	Nanotechnology	Vol.21 No.355303 pp.1-5	YATSUI Takashi* HIRATA Kazuya* TABATA Y.* NOMURA Wataru* KAWAZOE Tadashi* NARUSE Makoto OHTSU Motoichi*
2010/08/13	Effect of Finite Larmor Radius on Cosmic-Ray Penetration into an Interplanetary Magnetic Flux Rope	THE ASTROPHYSICAL JOURNAL	Vol.720 No.1 pp.853-861	KUBO Yuuki SHIMAZU Hironori
2010/08/15	On the importance of accurately ray-traced troposphere corrections for Interferometric SAR data	Journal of Geodesy	Vol.84 No.9 pp.537-546	Thomas Hobiger KINOSHITA Y.* SHIMIZU S.* ICHIKAWA Ryuichi FURUYA M.* KONDO Tetsuro KOYAMA Yasuhiro
2010/08/15	N-best Reranking Using Optimal Phrase Alignment for Statistical Machine Translation (in Japanese)	Journal of Information Processing Society of Japan	Vol.51 No.8 pp.1443-1451	KOSHIKAWA Mitsuru* UCHIYAMA Masao UMETANI Shunji* MATSUI Tomoki* YAMAMOTO Mikio*
2010/08/15	Throughput Comparison of Hybrid Slotted CSMA/CA-TDMA and Slotted CSMA/CA in IEEE 802.15.3c WPAN	IEICE TRANSACTIONS on Fundamentals	E93-A No.8 pp.1531-1543	Chang-Woo Pyo HARADA Hiroshi KATO Shuzo
2010/08/15	Reconfigurable dense wavelength-division multiplexing millimeter-waveband radio-over-fiber access system technologies	IEEE/OSA JOURNAL OF LIGHTWAVE TECHNOLOGY	Vol.28 No.16 pp.2247-2257	KURI Toshiaki TODA Hiroyuki* Juan Jose Vegas Olmos* KITAYAMA Ken-ichi*
2010/08/18	A new method of interference evaluation between an ultrawideband system and a wireless LAN using a gigahertz transverse electromagnetic cell	IEEE TRANSACTIONS on Electromagnetic Compatibility	Vol.52 No.3 pp.737-744	ISHIGAMI Shinobu YAMADA Masashi* KAMIYA Haruki* GOTOH Kaoru MATSUMOTO Yasushi TOKUDA Masamitsu*
2010/08/18	Anomalous occurrence features of the preliminary impulse of geomagnetic sudden commencement in the South Atlantic Anomaly region	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.115 A08309 pp.1-13	SHINBORI Atsuki* NISHIMURA Yukitoshi* TSUJI Yuji* KIKUCHI Takashi* ARAKI Tohru* IKEDA Akihiro* UOZUMI Teiji* Roland E. S. Otadoy* UTADA Hisashi* Jose Ishitsuka* Nalin Bual Trivedi* Severino L. G. Dutra* Nelson Jorge Schuch* WATARI Shin-ichi NAGATSUMA Tsutomu YUMOTO Kiyohumi*
2010/08/18	Tidal waves in the polar lower thermosphere observed using the EISCAT long run data set obtained in September 2005	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.115 A08312 pp.1-16	NOZAWA S.* OGAWA Y.* OYAMA S.* FUJIWARA H.* TSUDA T.* A. Brekke* C. M. Hall* MURAYAMA Yasuhiro KAWAMURA Seiji MIYAOKA H.* FUJII R.*
2010/08/19	Brain activity in the resting state: default mode network as an inside story with in the brain	Journal of Artificial Life and Robotics (Springer-Verlag)	Vol.15 No.1 pp.1-4	Jian-Qin Liu SHIMOHARA Katsunori*
2010/08/23	Device characteristics of short-channel polymer field-effect transistors	Applied Physics Letters	Vol.97 083301 pp.1-3	HIROSE T.* NAGASE T.* KOBAYASHI T.* UEDA Rieko OOTOMO Akira NAITO H.*
2010/08/23	Observations of temperature profiles by 443 MHz wind profiling radar using a radio acoustic sounding system in Okinawa	Journal of Atmospheric and Solar-Terrestrial Physics	Vol.73 No.9 pp.1010-1019	SHINODA Tomonori* FURUMOTO Jun-ichi* SATOH Shinsuke NAGAI Seiji MURAYAMA Yasuhiro TSUDA Toshitaka*
2010/08/27	Multi-band radio-frequency filters fabricated using polyimide-based membrane transfer bonding technology	Journal of Micromechanics and Microengineering	Vol.20 No.95027 pp.1-9	MATSUMURA Takeshi ESASHI Masayoshi* HARADA Hiroshi TANAKA Shuji.*

List of Published Presentation Papers (Mar. 2010—Aug. 2010)

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter	*outsiders
2010/08/28	Lunar-dependent equatorial ionospheric electrodynamic effects during sudden stratospheric warmings	JOURNAL OF GEOPHYSICAL RESEARCH	Vol.115 A00G03 pp.1-9	B.G. Fejer* M.E. Olson* J. L. Chau* C. Stolle* H. Luhr* L. P. Goncharenko* YUMOTO K.* NAGATSUMA Tsutomu	
2010/08/31	Diurnal wind-induced mixing in a sea surface layer on the upper side of a strong nearshore current with a high-frequency ocean radar and a micro-scale profiler	Journal of Hydroscience and Hydraulic Engineering	Vol.51 No.2 pp1433-1438	NAGAO Masayuki* HASHIMOTO Eisuke* TAKASUGI Yoshio* KOJIMA Shoichiro SATO H Kenji MORIMOTO Akihiko* SUZUKI Atsushi* SHIBUNO Takuro*	
2010/08/31	Fundamental study on tsunami source detection by using long-range ocean radar with back scattering strength as detection index	Journal of Coastal Engineering	Vol.54 No.1 pp206-210	TAKAHASHI Shinpei* TAKAHASHI Tomoyuki* KOJIMA Shoichiro KONUMA Tomohiro*	
2010/08/31	On the Sheath capacitance observed by impedance probes onboard sounding rockets: Its application to ionospheric plasma diagnostics	Earth, Planets and Space	Vol.62 No.7 pp.579-587	SUZUKI Tomonori* ONO Takayuki* UEMOTO Junpei WAKABAYASHI Makoto* ABE Takumi* KUMAMOTO Atsushi* IJIJIMA Masahide*	
2010/08/31	Impact of lithium releases on ionospheric electron density observed by impedance probe during WIND campaign	Earth, Planets and Space	Vol.62 No.7 pp.589-597	UEMOTO Junpei ONO Takayuki* YAMADA Tomohisa* SUZUKI Tomonori* YAMAMOTO Masa-Yuki* WATANABE Shigeto* KUMAMOTO Atsushi* IJIJIMA Masahide*	
2010/08/31	Kuroshio Variations in the Upstream Region as seen by HF Radar and Satellite Altimetry Data	International Journal of Remote Sensing	Vol.29 No.21 pp.6417-6426	ICHIKAWA K.* TOKESHI R.* KASHIMA M.* SATO Kenji MATSUOKA Takeshi KOJIMA Syoichiro FUJII S.*	