

List of Published Presentation Papers (Mar. 2011— Aug. 2011)

Date of Presentation	Name of Paper	Name of Publication	Volume	Presenter	*outsiders
2011/03/01	Integration of Multiple Bilingually-Trained Segmentation Schemes into Statistical Machine Translation	IEICE TRANSACTIONS on Information and Systems	Vol.E94-D No.3 pp.690-697	Michael Paul Finch Andrew SUMITA Eiichiro	
2011/03/01	Personal Network Construction System using Mobile Phones	IEICE TRANSACTIONS on Communications	Vol.E94-B No.3 pp.630-638	UMEZAWA Takeshi NAKAUACHI Kiyohide INOUE Masugi MATSUNAKA Takashi* WARABINO Takayuki* KISHI Yoji*	
2011/03/01	NerveNet: A Regional Platform Network for Context-Aware Services with Sensors and Actuators	IEICE TRANSACTIONS on Communications	Vol.E94-B No.3 pp.618-629	INOUE Masugi OHNISHI Masaaki Peng Chao* Li Ruidong OWADA Yasunori	
2011/03/01	Development and performance of 622Mbit/s High Speed TDMA communication system for WINDS Bent-Pipe Relay Mode	IEICE TRANSACTIONS on Communications (Japanese version)	Vol.J94-B No.3 pp.392-401	OOKAWA Mitsugu AKASHI Akira ASAI Toshio KAWASAKI Kazuyoshi HASHIMOTO Yukio* SUZUKI Ryutaro TAKAHASHI Takashi	
2011/03/01	Enhancing detection efficiency by applying an optical cavity structure in a superconducting nanowire single-photon detector	IEICE TRANSACTIONS on Electronics	Vol.E94-C No.3 pp.260-265	MIKI Shigehito YAMASHITA Taro FUJIWARA Mikio SASAKI Masahide Wang Zhen	
2011/03/01	Characteristics of Laser Beam Propagation through the Turbulent Atmosphere in Ground-to-Low Earth Orbit Satellite Laser Communications Links	IEICE TRANSACTIONS on Communications (Japanese version)	Vol.J94-B No.3 pp.409-418	TOYOSHIMA Morio TAKAYAMA Yoshihisa KUNIMORI Hiroo YAMAKAWA Shiro* JONO Takashi*	
2011/03/01	Construction and Experimental Evaluations of User-Centered Power Consumption Management Systems in Home Environments	International Journal of Energy, Information and Communications	Vol.2 No.1 pp.1-15	Teng Rui YAMAZAKI Tatsuya	
2011/03/01	Estimation of Frequency of Laser Communications between a Low Earth Orbit Satellite and Ground Stations	IEICE TRANSACTIONS on Communications (Japanese version)	Vol.J94-B No.3 pp.402-408	TAKAYAMA Yoshihisa TOYOSHIMA Morio	
2011/03/02	Millimeter Wave Imaging System Using Monopole Antenna with Cylindrical Reflector and Silicon Lens	Journal of Infrared, Millimeter and Terahertz Waves	Vol.32 No.4 pp.541-549	MIZUNO Maya FUKUNAGA Kaori SUZUKI Masaki SAITO Shingo HOSAKO Iwao YAMANAKA Yukio	
2011/03/02	Broadband Satellite Communications Experiences Using "Kizuna"(WINDS)	IEICE TRANSACTIONS on Communications (Japanese version)	Vol.J94-B No.3 pp.325-332	KADOWAKI Naoto SUZUKI Ryutaro TAKAHASHI Takashi YOSHIMURA Naoko NAKAO Masahiro* WAKANA Hiromitsu	
2011/03/09	Observations and model calculations of the F3 layer in the Southeast Asian equatorial ionosphere	JGR-Space Physics	Vol.116 No.A03311 pp.1-14	UEMOTO Junpei MARUYAMA Takashi ONO Takayuki* SAITO Susumu IIZIMA Masahide* KUMAMOTO Atsushi*	
2011/03/10	Reconfigurable multilevel transmitter using monolithically integrated quad Mach-Zehnder IQ modulator for optical 16-QAM and 8-PSK generation	Optics Express	Vol.19 No.6 pp.5596-5601	Lu Guo-Wei SAKAMOTO Takahide CHIBA Akito KAWANISHI Tetsuya MIYAZAKI Tetsuya HIGUMA Kaoru SUDO Masaaki ICHIKAWA Junichiro	
2011/03/11	Evaluation for Large -Scale Deployable Reflector Antenna Equipped with ETS-VIII on Orbit	IEICE TRANSACTIONS on Communications (Japanese version)	Vol.J94-B No.3 pp.344-352	SATOH Masaki ORIKASA Teruaki FUJINO Yoshiyuki	
2011/03/15	P2P soft security: on evolutionary dynamics of P2P incentive mechanism	Elsevier, Computer Communications	Vol.34 No.3 pp.241-249	Wang Yufeng NAKAO Akihiro Thanos Vasilakos* Jianhua Ma*	
2011/03/15	Modeling Spoken Decision Support Dialogue and Optimization of its Dialogue Strategy	ACM Transactions on Speech and Language Processing	Vol.2 No.3 pp.111	MISU Teruhisa SUGIURA Komei KAWAHARA Tatsuya OOTAKE Kiyonori HORI Chiori KASHIOKA Hideki KAWAI Hisashi NAKAMURA Satoshi	

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2011/03/15	Photon subtraction from traveling fields - recent experimental demonstrations [Review article]	Progress in Informatics	Vol.2011-3 No.8 pp.5-19	Jonas Neergaard-Nielsen TAKEUCHI Makoto WAKUI Kentaro TAKAHASHI Hiroki* HAYASAKA Kazuhiro TAKEOKA Masahiro* SASAKI Masahide	
2011/03/18	Optical pulsation mechanism based on optical near-field interactions	Applied Physics B	Vol.102 No.4 pp.717-723	NARUSE Makoto KOBAYASHI Kiyoshi* KAWAZOE Tadashi* OHTSU Motoichi	HORI Hirokazu*
2011/03/25	Basic analysis of large quasi-TEM waveguides using dipole frequency selective surface for EMC testing	IEICE Electronics Express	Vol.8 No.6 pp.325-331	Wu Ifong ISHIGAMI Shinobu GOTOH Kaoru MATSUMOTO Yasushi	
2011/04/01	Incremental Minimum Classification Error Training for Pattern Recognition	IEICE TRANSACTIONS on Information and Systems (Japanese version)	Vol.J94-D No.4 pp.702-711	WATANABE Hideyuki TANIGUCHI Shin'ichi* KATAGIRI Shigeru* YAMADA Kouta* NAKAMURA Atsushi* Mcdermott Erik* WATANABE Shinji* OHSAKI Miho*	
2011/04/01	Photonic Network Technologies for New Generation Network	IEICE TRANSACTIONS on Communications	Vol.E94-B No.4 pp.868-875	WADA Naoya FURUKAWA Hideaki	
2011/04/01	Analogy-based Relation Acquisition using Distributionally Similar Words	IPSJ Journal	Vol.52 No.4 pp.1761-1776	TSUCHIDA Masaaki Stijn De Saeger TORISAWA Kentaro MURATA Masaki* KAZAMA Jun'ichi KURODA Koh* OHWADA Hayato*	
2011/04/01	Large Phase Sensitive Gain in Periodically-Poled Lithium-Niobate with High Pump Power	Photonics Technology Letters	Vol.23 No.7 pp.426-428	Puttnam Ben SHINADA Satoshi WADA Naoya	Daniel Mazroa*
2011/04/01	Sound Radiation Reproduction of an Musical Instrument with a Spherical Loudspeaker Array	IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences (Japanese version)	Vol.J94-A No.4 pp.233-242	YAMAKATA Yoko NISHIMURA Ryuichi KATSUMOTO Michiaki KIMURA Toshiyuki	
2011/04/01	Connectivity pattern changes in default-mode network with deep non-REM and REM sleep.	Neuroscience Research	Vol.69 No.4 pp.322-330	KOIKE Takahiko MISAKI Masaya* MIYAUCHI Satoru	KAN Shigeyuki
2011/04/05	Principles and Methods for Nanomechatronics: Signaling, Structure and Functions towards Nanorobots	IEEE TRANSACTIONS on Systems, Man, and Cybernetics - PART C: APPLICATIONS AND REVIEWS	IEEE Xplore®	Liu Jian-Qin NAKANO Tadashi*	
2011/04/17	Goal emulation and planning in perceptual space using learned affordances	Robotics and Autonomous Systems	Vol.59 No.7-8 pp.580-595	Ugur Emre Erol SAHIN*	OZTOP Erhan
2011/04/25	Learning, Generation, and Recognition of Motions by Reference-Point-Dependent Probabilistic Models	Advanced Robotics	Vol.25 No.6 pp.825-848	SUGIURA Komei IWAHASHI Naoto KASHIOKA Hideki NAKAMURA Satoshi	
2011/04/25	20-Gb/s QPSK W-band (75-110 GHz) wireless link in free space using radio-over-fiber technique	IEICE Electronics Express	Vol.8 No.8 pp.612-617	KANNO Atsushi MOROHASHI Isao SAKAMOTO Takahide KURI Toshiaki KAWANISHI Tetsuya YOSHIDA Yuki* KITAYAMA Kenichi*	INAGAKI Keizo HOSAKO Iwao

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2011/05/11	Field test of quantum key distribution in the Tokyo QKD Network	Optics Express	Vol.19 No.11 pp.10387–10409	SASAKI Masahide FUJIWARA Mikio ISHIZUKA Hirokazu Klaus Werner WAKUI Kentaro TAKEOKA Masahiro MIKI Shigehito YAMASHITA Taro Wang Zhen TANAKA Akihiro* YOSHINO Kenichiro* NAMBU Yoshihiro* TAKAHASHI Seigo* TAJIMA Akio* TOMITA Akihisa* DOMEKI Tomoyasu* HASEGAWA Toshio* SAKAI Yasuyuki* KOBAYASHI Hajime* ASAI Takeshi* SHIMIZU Katsuhiko* TOKURA Toshiyuki* TSURUMARU Toyohiro* MATSUI Mitsuru* HONJO Toshimori* TAMAKI Kiyoshi* TAKESUE Hiroki* TOKURA Yasuhiro* J. F. Dynes* A. R. Dixon	
2011/05/19	Numerical Evaluation of PPM for Deep-Space Links	Journal of Optical Communications and Networking	Vol.3 No.6 pp.514–521	WASEDA Atsushi SASAKI Masahide TAKEOKA Masahiro FUJIWARA Mikio TOYOSHIMA Morio Antonio Assalini*	
2011/05/20	Effects of Barrier Thinning on Small-Signal and 30 GHz Power Characteristics of AlGaIn/GaN Heterostructure Field-Effect Transistors	IEEE TRANSACTIONS on Electron Devices	Vol.58 No.6 pp.1681–1686	HIGASHIWAKI Masataka Yi Pei* Rongming Chu* Umesh K. Mishra*	
2011/05/27	Method for Determining Whether or Not Information is Contained in Electromagnetic Disturbance Radiated From a PC Display	IEEE TRANSACTIONS on Electromagnetic Compatibility	Vol.53 No.2 pp.318–324	TOSAKA Toshihide YAMANAGA Yukio FUKUNAGA Kaori	
2011/05/30	Terahertz technology research at NICT - From the source to industrial applications	Journal of IRMMW-THz	Vol.32 pp.722–731	HOSAKO Iwao FUKUNAGA Kaori	
2011/06/01	Secure Sensor Sharing Framework for Mobile and Sensor Access Platform Network	IEICE Special Section on New Generation Mobile and Sensor Networking and Future Networks	Vol.E94-B No.6 pp.1565–1576	Li Ruidong INOUE Masugi	
2011/06/01	Paraphrase Lattice for Statistical Machine Translation	IEICE TRANSACTIONS on Information and Systems	Vol.E94-D No.6 pp.1299–1305	ONISHI Takashi UCHIYAMA Masao SUMITA Eiichiro	
2011/06/01	Color Electronic Holography System with Increased Viewing-zone Angle and Elimination of Undesirable Light	The Journal of The Institute of Image Information and Television Engineers	Vol.65 No.6 pp.121–126	SENOH Takanori YAMAMOTO Kenji OI Ryutarō KURITA Taiichiro	
2011/06/01	A System for Judging the Misuse of Honorifics in Japanese: Quantifying the Degree of Validity of Judgment Rules for Flexibility	Mathematical Linguistic	Vol.28 No.1 pp.1–20	SHIRADO Tamotsu MARUMOTO Satoko* MURATA Masaki* KANZAKI Kyoko* ISAHARA Hitoshi*	
2011/06/01	Characterization of Coupling Efficiency and Absorption Coefficient for Fiber-Coupled SNSPD With an Optical Cavity	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.21 No.3 Part1 pp.332–335	MIKI Shigehito YAMASHITA Taro FUJIWARA Mikio SASAKI Masahide Wang Zhen	
2011/06/01	Measurement of Epitaxial NbN/AlN/NbN Tunnel Junctions With a Low Critical Current Density at Low Temperature	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.21 No.3 Part1 pp.135–138	Qiu Wei TERAI Hirotaka Wang Zhen	
2011/06/01	An Optical Input Module With Superconducting Single-Flux-Quantum Circuit Operating at 1550 nm	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.21 No.3 Part1 pp.896–899	TERAI Hirotaka SHINADA Satoshi MAKISE Kazumasa Wang Zhen WADA Naoya	
2011/06/01	Fabrication of Nano-Antennas for Superconducting Infrared Detectors	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.21 No.3 Part1 pp.632–635	KAWAKAMI Akira SAITO Shingo HYODO Masaharu	
2011/06/01	Performances of Fiber-Coupled Superconducting Nanowire Single-Photon Detectors Measured at Ultralow Temperature	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.21 No.3 Part1 pp.336–339	YAMASHITA Taro MIKI Shigehito Qiu Wei FUJIWARA Mikio SASAKI Masahide Wang Zhen	

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2011/06/01	Characterization of NbTiN Thin Films Deposited on Various Substrates	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	Vol.21 No.3 Part1 pp.139–142	MAKISE Kazumasa TERAI Hiroataka TAKEDA Masanori* UZAWA Yoshinori* Wang Zhen	
2011/06/03	Vibration Mode Observation of Piezoelectric Disk-type Resonator by High Frequency Laser Doppler Vibrometer	IEEJ TRANSACTIONS on Electronics, Information and Systems	Vol.131 No.6 pp.1086–1093	MATSUMURA Takeshi ESASHI Masayoshi* HARADA Hiroshi TANAKA Shuji*	
2011/06/05	Polarization-basis tracking scheme in satellite quantum key distribution	International Journal of Optics	Vol.2011 No.254154 pp.1–8	TOYOSHIMA Morio TAKENAKA Hideki SHOJI Yozo TAKAYAMA Yoshihisa TAKEOKA Masahiro FUJIWARA Mikio SASAKI Masahide	
2011/06/15	Forecast of recurrent geomagnetic storms	Advances in Space Research	Vol.47 No.12 pp.2162–2171	WATARI Shin-ichi	
2011/06/15	Modulation-free optical locking of an external-cavity diode laser to a filter cavity	Optics Letters	Vol.36 No.12 pp.2188–2190	HAYASAKA Kazuhiro	
2011/06/21	Enhanced Fluorescence Emission from Single Molecules on a Two-Dimensional Photonic Crystal Slab with Low Background Emission	The Journal of Physical Chemistry Letters	Vol.2 pp.1651–1656	KAJI Takahiro YAMADA Toshiki UEDA Rieko OTOMO Akira	
2011/07/01	Enabling Technologies for a Practical Wireless Communication System Operating in TV White Space	International Scholarly Research Network (ISRN) Communications and Networking	Vol.2011 No.147089	Sum Chin-Sean Villardi Gabriel Lan Zhou Sun Chen Demessie Yohannes Alemseged Tran Ha Nguyen Wang Junyi HARADA Hiroshi	
2011/07/01	Synthesis of 16 Quadrature Amplitude Modulation Using Polarization-Multiplexing QPSK Modulator	IEICE TRANSACTIONS on Communications	Vol.E94-B No.7 pp.1809–1814	MOROHASHI Isao SAKAMOTO Takahide SUDO Masaaki KANNO Atsushi CHIBA Akito* ICHIKAWA Junichiro* KAWANISHI Tetsuya	
2011/07/01	Localization with Ratio-Distance (LRD) for Distributed and Accurate Localization in Wireless Sensor Networks	IEICE TRANSACTIONS on Communications	Vol.E94-B No.7 pp.1944–1951	Attoungble Kouakou Jean Marc OKADA Kazunori	
2011/07/01	90 Gbaud NRZ-DP-DQPSK Modulation with Full-ETDM Technique Using High-Speed Optical IQ Modulator	IEICE TRANSACTIONS ON Electronics	Vol.E94-C No.7 pp.1179–1186	KANNO Atsushi SAKAMOTO Takahide CHIBA Akito* SUDO Masaaki* HIGUMA Kaoru* ICHIKAWA Junichiro* KAWANISHI Tetsuya	
2011/07/01	Viewing-Zone-Angle-Expanded Color Electronic Holography System Using Ultra-High-Definition Liquid-Crystal Displays With Undesirable Light Elimination	IEEE Journal of Display Technology	Vol.7 No.7 pp.382–390	SENOH Takanori YAMAMOTO Kenji OI Ryutarou KURITA Taiichiro	
2011/07/04	Smart Utility Networks in TV White Space	IEEE Communication Magazine	Vol.49 No.7 pp.132–139	Sum Chin-Sean HARADA Hiroshi KOJIMA Fumihide Lan Zhou FUNADA Ryuhei	
2011/07/06	Development of a GPU based two-way time transfer modem	IEEE TRANSACTIONS on Instrumentation and Measurement	Vol.60 No.7 pp.2495–2499	GOTOH Tadahiro AMAGAI Jun Hobiger Thomas FUJIEDA Miho AIDA Masanori	
2011/07/11	Three-Dimensional Modeling of Solar Active Region	Plasma and Fusion Research	Vol.6 No.2401067 pp.1–4	INOUE Satoshi MORIKAWA Yasuhiro	
2011/07/23	Strong Updraft at a Sea-Breeze Front and Associated Vertical Transport of Near-Surface Dense Aerosol Observed by Doppler Lidar and Ceilometer	Boundary-Layer Meteorology	Vol.141 No.1 pp.117–142	IWAI Hironori MURAYAMA Yasuhiro ISHII Shoken MIZUTANI Kohei OHNO Yuichi HASHIGUCHI Taichiro	
2011/08/01	Enabling Coexistence of Multiple Cognitive Networks in TV White Space	IEEE Wireless Communications	Vol.18 No.4 pp.32–40	Villardi Gabriel Demessie Yohannes Alemseged Sun Chen Sum Chin-Sean Tran Ha Nguyen Baykas Tuncer HARADA Hiroshi	
2011/08/11	Elimination of the Stark shift from the vibrational transition frequency of optically trapped ^{174}Yb 6Li molecules	Physical Review A	Vol.84 No.22507 pp.1–6	KAJITA Masatoshi Geetha Gopakumar* ABE Minoru* HADA Masahiko*	

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2011/08/11	All-optical link for direct comparison of distant optical clocks	Optics Express	Vol. 19 No. 17 pp.16498–16507	FUJIEDA Miho KUMAGAI Motohiro NAGANO Shigeo YAMAGUCHI Atsushi* IDO Tetsuya HACHISU Hidekazu	
2011/08/15	Air-gap structure between integrated LiNbO3 optical modulators and micromachined Si substrates	Optics Express	Vol. 19 No. 17 pp.15739–15749	TAKIGAWA Ryo E. Higurashi* T. Suga* KAWANISHI Tetsuya	
2011/08/22	Investigating the use of terahertz pulsed time domain reflection imaging for the study of fabric layers of an Egyptian mummy	Journal of European Optics Society Rapid Publications	Vol. 6 No. 11040 pp. 1–4	FUKUNAGA Kaori Emilia Cortes* Antonino Cosentino* Isabel Stuenkel* Marco Leona* Irl N Duling III* David T. Mininberg*	

