(Only Data in English)

**Bulletin of the Graduate School of Engineering
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B102 Directional Properties of Human Hand Force Perception in the Maintenance of Arm Posture	Yoshiyuki Tanaka Toshio Tsuji	Neural Information Processing (14th International Conference, ICONIP 2007), (2008) pp. 933-942
B103 A Diagnosis Support System for Finger Tapping Movements Using Magnetic Sensors and Probabilistic Neural Networks	Keisuke Shima Toshio Tsuji Akihiko Kandori Masaru Yokoe Saburo Sakoda	ICBME2008 - 13th International Conference on Biomedical Engineering (IFMBE Proceedings), **23** (2008) pp. 682-686

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B105 A Novel Channel Selection Method Based on Partial KL Information Measure for EMG-based Motion Classification	Taro Shibanoki Keisuke Shima Toshio Tsuji Akira Otsuka Takaaki Chin	CBME2008 - 13th International Conference on Biomedical Engineering (IFMBE Proceedings), **23** (2008) pp. 694-698
B106 A Motion-based Evaluation System for Infant Movements Using Real-time Video Analysis	Yuko Osawa Keisuke Shima Nan Bu Tokuo Tsuji Toshio Tsuji Idaku Ishii Hiroshi Matsuda Kensuke Orito Tomoaki Ikeda Shunichi Noda	ICBME2008 - 13th International Conference on Biomedical Engineering (IFMBE Proceedings), **23** (2008) pp. 2043-2047
B107 EMG Pattern Classification using Hierarchical Network based on Boosting Approach	Masaru Okamoto Yukihiro Matsubara Keisuke Shima Toshio Tsuji	2008 International Symposium on Intelligent Informatics (ISII2008), (2008)
B108 Neuro-based Pattern Classification Method for EMG Signals not Belonging to Predefined Classes	Masaru Okamoto Yukihiro Matsubara Nan Bu Toshio Tsuji	Proceedings of 11th International Conference on Human and Computers (HC-2008), (2008) pp. 163-168
B109 Development of a Training-Assist Robotic System Adapting to Individual Motor Abilities in Virtual Tennis Task	Masataka Ishii Yoshiyuki Tanaka Toshio Tsuji Nobuaki Imamura	Proceedings of the 4th International Workshop on Computational Intelligence and Applications 2008 (IW-CIA 2008), (2008) pp. 179-184
B110 Automatic Scratching Pattern Detection for Laboratory Mice Using High-Speed Video Images	Idaku Ishii Shogo Kurozumi Kensuke Orito Hiroshi Matsuda	IEEE Transactions on Automation Science and Engineering, **5**, 1 (2008) pp. 176-182
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C12 Redundant Radix-2^r Number System for Accelerating Arithmetic Operations on the FPGAs	Kensuke Kawakami Koji Shigemoto Koji Nakano	Proc. of International Conference on Parallel and Distributed Computing, Applications and Technologies, (2008) pp. 370-377
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C51 An asynchronous cellular automaton implementing 2-state 2-input 2-output reversed-twin reversible elements	Jia Lee Ferdinand Peper Susumu Adachi Kenichi Morita	Proc. 8th Int. Conf. on Cellular Automata for Research and Industry, Springer-Verlag, **LNCS 5191** (2008) pp. 67-76
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D2 High Luminance YAG:Ce nanoparticles Fabricated from Urea Added Aqueous Precursor by Flame Process	A. Purwanto W.-N. Wang T. Ogi I. W. Lenggoro E. Tanabe K. Okuyama	J. Alloys Compd, **463** (2008) pp. 350-357
D3 Investigation on the Correlation Between Droplet and Particle Size Distribution in Ultrasonic Spray Pyrolysis	W. N. Wnag A. Purwanto I. W. Lenggoro K. Okuyama H. Chang H. D. Jang	Ind. Eng. Chem. Res., **47**, 5 (2008) pp. 1650-1659
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D5 High Performance of GaN Thin Films Grown on Sapphire Substrates Coated with a Silica-Submicron-Sphere Monolayer Film	K. Ueda Y. Tsuchida N. Hagura F. Iskandar K. Okuyama Y. Endo	Appl. Phys. Lett., **92**, 10 (2008) pp. 101101
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E135 Mechanical Properties of Concrete Containing Construction Sludge	Kato Takashi Yasojima Akira Araki Hideo Kiyama Kunihiro	Proceedings of 14th World Conference on Earthquake Engineering, (2008)
E136 Seismic Performance of Reinforced Concrete Beams with Low Strength Concrete	Taniguchi Hiroaki Yasojima Akira Hideo Araki	Proceedings of 14th World Conference on Earthquake Engineering, (2008)
E137 Local bond splitting behavior of RC members with lateral reinforcement	Akira Yasojima Toshiyuki Kanakubo	Proceedings of 14th World Conference on Earthquake Engineering, (2008)

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E139 Calculation method for loads of hot water demand with the hot water storage tank system in houses	Hiroshi Takata Saburo Murakawa Naoki Yamamoto Hiroki Kitayama Yasuhiro Hamada Minako Nabeshima	Proceedings of the 34th International Symposium on CIB W062 Water Supply and Drainage for Buildings , (2008) pp. 23-35
E140 Analysis on cold and hot water usage of students in each dwelling 50	Akiko Takaaze Saburo Murakawa Hiroshi Takata	Proceedings of the 34th International Symposium on CIB W062 Water Supply and Drainage for Buildings, (2008) pp. 50-57
E141 Study on the running condition of residential gas engine cogeneration system	Yasunari Shimizu Saburo Murakawa Hiroshi Takata Hiroshi Kitayama Yasuhiro Hamada Minako Nabeshima	Proceedings of the 34th International Symposium on CIB W062 Water Supply and Drainage for Buildings , (2008) pp. 106-117
E142 Experimental study on the bluish water phenomena in copper piping systems	Toshihiro Yamate Saburo Murakawa	Proceedings of the 34th International Symposium on CIB W062 Water Supply and Drainage for Buildings, (2008) pp. 300-314
E143 The Global Use of Icons in the Environmental Diversity	Shoichiro Sendai	Kansei Engineering International, **7**, 2 (2008) pp. 145-154
E144 Emotion to the Invisible: Historic Landscape Formation of the A-bomb Dome	Shoichiro Sendai	6th Design & Emotion Conference Proceedings, (2008)
E145 A study on Robust Optimization of Principal Particulars	Kunihiro Hamada Mitsuru Kitamura Yoshifumi Takanobu Souichi Yasui	Proceedings of the 22th Asian Technical Exchange and Advisory Meeting on Marine Structure, (2008) pp. 401-406
E146 Development of Logistics Simulation System by Petri Net	Kunihiro Hamada Mitsuru Kitamura Masayuki Okimoto Hiroshi Sorakubo Krisana Punayangkool	Proceedings of the 22th Asian Technical Exchange and Advisory Meeting on Marine Structure, (2008) pp. 208-215
E147 Optimization System of Block Construction Using Genetic Algorithm and Joint Hierarchy Chromosome	M Arif Wibisono Kunihiro Hamada Mitsuru Kitamura	Proceedings of the 1st Regional Conference in Manufacturing Engineering, (2008)

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F1 Enhanced dibenzothiophene biodesulfurization in a microchannel reactor	Kenichi Noda Tomonari Kogure Shirou Irisa Yuji Murakami Minoru Sakata Akio Kuroda	Biotechnology Letters 30, (2008) pp. 451-454

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F2 Single bacterial cell detection using a mutant luciferase	Kenichi Noda Tadahiro Matsuno Hiroya Fujii Tomonari Kogure Masaaki Urata Yasuo Asami Akio Kuroda	Biotechnology Letters 30, (2008) pp. 1051-1054
F3 Continuous-flow ATP amplification system for increasing the sensitivity of quantitative bioluminescence assay	Tetsuya Satoh Yasuharu Shinoda Maxym Alexandrov Akio Kuroda Yuji Murakami	Analytical Biochemistry, **379** (2008) pp. 116-120
F4 On-Chip ATP Amplification	Yuji Murakami Yasuharu Shinoda Tetsuya Satoh Kenichi Noda Akio Kuroda	Micro Total Analysis Systems 2008, (2008) pp. 1275-1277
F5 Stress from Discontinuous SiN Liner for Fully Silicided Gate Process	T. Yamashita Y. Nishida T. Okagaki Y. Miyagawa J. Yugami H. Oda Y. Inoue K. shibahara	Jpn.J.App.Phys, **47**, 4B (2008) pp. 2569-2574
F6 Interface properties and effective work function of Sb-predoped fully silicided NiSi gate	T. Hosoi K. Sano A. Ohta k. Makihara H. Kaku S. Miyazaki K. Shibafara	Surface and Interface Analysis, **40**, Iss.6-7 (2008) pp. 1126-1130
F7 Threshold Voltage Modulation Using N_2^+ Implantation Into Substrate for Ni Fully Silicided Gate/High-k NMOS	T. Yamashita Y. Nishida K. Eikyu H. Oda Y. Inoue K.Shibahara	IEEE Electron Device Lett, **29**, 10 (2008) pp. 1163-1166
F8 Ge Shallow Junction Formation with Preamorphizing Technique	K. Shibahara T. Fukunaga T. Hosoi	Proceedings of 2008 Korea-Japan Joint Workshop on Advanced Semiconductor Processes and Equipments, (2008) pp. 163-166
F9 Bias temperature instability in metal-oxide-semiconductor field-effect transistors with atomic-layer-deposited Si-nitride/SiO2 stack gate dielectrics	Shiyang Zhu Anri Nakajima	J.Appl.Phys., **103**, 8 (2008) pp. 84512-84518
F10 Dependence of charge storage and programming characteristics on dot number of floating dot memory	Anri Nakajima Tomo Fujiaki Yuusuke Fukuda	Appl.Phys Lett., **92**, 22 (2008) pp. 223503-223505
F11 Si Single-Electron Memory Having in-Plane Dot With Double Gates	Tomo Fujiaki Kensaku Ohkura Anri Nakajima	Jpn.J.Appl.Phys., **47**, 6 (2008) pp. 4985-4987
F12 Conduction path fluctuation in Si two-dimensional tunnel junction array	Koki Matsushita Anri Nakajima	the 2008 International Microprocesses and Nanotechnology Conference (MNC 2008)(Fukuoka, October 27-30), (2008) pp. 122-123

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F13 Development of Biosensor using Si Nanowire Transistor	Takashi Kudo Toshihiro Kasama Shin Yokoyama Takamaro Kikkawa Hideo Sunami Tomohiro Ishikawa Takeshi Ikeda Yumehiro Hata Masato Suzuki Shiho Tokonami Kiyoshi Okuyama Tetsuo Tabei Kensaku Ohkura Yasuhisa Kayaba Yuichiro Tanushi Yoshiteru Amemiya Yoshinori Cho Tomomi Monzen Yuji Murakami Akio Kuroda Anri Nakajima	the 2008 International Microprocesses and Nanotechnology Conference (MNC 2008)(Fukuoka, October 27-30), (2008) pp. 122-123
F14 The Role of the Trench Capacitor in DRAM Innovation	Hideo Sunami	IEEE SSCS News, **13**, 1 (2008) pp. 42-44
F15 Proposal of a Metal-Oxide- Semiconductor Silicon Optical Modulator Based on Inversion-Carrier Absorption	Tomoki Hirata Kenta Kajikawa Tetsuo Tabei Hideo Sunami	Jpn. J. Appl. Phys, **47**, 4 (2008) pp. 2906-2909
F16 The invention and development of the first trench capacitor DRAM cell	Hideo Sunami	CMOS Emerging Technologies Workshop, (2008)
F17 Proposal of a metal-gas-semiconductor field-effect transistor, MGS-FET with potential catastrophic-breakdown hardness	Youichi Ashida Kiyoshi Okuyama Hideo Sunami	Abstract of 34th International Conference on Micro and Nano Engineering, **NED-P16** (2008)
F18 A Vertical-Channel Metal-Oxide-Semiconductor Field-Effect Transistor with Fully-Oxidized Silicon Beam Isolation	Atsushi Sugimura Kiyoshi Okuyama Hideo Sunami	Extended Abstracts of International Symp. on Solid State Devices and Materials, (2008) pp. 3-8
F19 Silicon Optical Modulator Based on Accumulation-Carrier Absorption of Metal-Oxide-Semiconductor Capacitor Waveguide	kenta Kajikawa Tetsuo Tabei Hideo Sunami	Extended Abstracts of International Symp. on Solid State Devices and Materials, **E-2-2** (2008)
F20 Development of three-dimensional MOS structures from trench-capacitor DRAM cell to pillar-type transistor	Hideo Sunami	Proc. the 9th International Conference on Solid-State and Integrated-Circuit Technology, **D2.2** (2008) pp. 853-856
F21 Electro-Optic Polymer Modulator with Single-Mode to Multimode Waveguide Transitions	C.T. DeRose D. Mathine Y. Enami R.A. Norwood J. Luo A.K-Y. Jen N. Peyghambarian	IEEE,Photonics Technology Letters, **20** (2008) pp. 1051-1053
F22 Transversely tapered hybrid electro-optic polymer/sol-gel Mach-Zehnder waveguide modulators	Y. Enami D. Mathine C.T. DeRose R.A. Norwood J. Luo A.K-Y. Jen N. Peyghambarian	Applied Phusics Letters, **92** (2008) pp. 193508-1-193508-3
F23 Hybrid electro-optic modulators with subvolt drive voltage	N. Peyghambarian Y. Enami C.T. DeRose D. Mathine R.A. Norwood J. Luo A.K-Y. Jen	The 21st Annual Meeting IEEE of Lasers & Electro-Optics Society, (2008)

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F24 Electro-optic polymer waveguide modulators with refractive index tapers leading to low coupling loss and a high confinement factor	C.T. DeRose D. Mathine Y. Enami R.A. Norwood J. Luo A.K-Y. Jen N. Peyghambarian	CLEO (Conference on Lasers and Electro-Optics), (2008)
F25 Novel transversely tapered hybrid electro-optic polymer/sol-gel waveguide modulators	Y. Enami D. Mathine C.T. DeRose R.A. Norwood J. Luo A.K-Y. Jen N. Peyghambarian	The 21st Annual Meeting IEEE of Lasers & Electro-Optics Society, (2008)
F26 Novel hybrid electro-optic polymer/sol-gel waveguide structure for Mach-Zehnder modulators and directional coupler switches	Y. Enami D. Mathine C.T. DeRose R.A. Norwood J. Luo A.K-Y. Jen N. Peyghambarian	SPIE(The International Society for Optical Engineering), (2008)
F27 Photoelastic Effect in Silicon Ring Resonator	Y. Amemiya Y. Tanushi T. Tokunaga S. Yokoyama	Jpn. J. App. Phys, **47**, 4 (2008) pp. 2910-2914
F28 Magneto-Optic Effect in Amorphous $Bi_3Fe_5O_{12}$ Waveguide Sputtered at Room Temperature	H. Taura Y. Shishido Y. Tanushi S. Yokoyama	Jpn. J. App. Phys, **47**, 4 (2008) pp. 2915-2920
F29 Electric Field Drive Silicon Optical Modulator by Carrier Concentration	Y. Amemiya Y. Tanushi T. Tokunaga S. Yokoyama	Proc. International Conference on Photonics in Switching, (2008) pp. D_01_4-D_01_4
F30 Si Ring Optical Resonators for Integrated On-Chip Biosensing	S. Yamatogi Y. Amemiya S. Yokoyama	Abst. Int. Conf. on Solid State Devices and Materials (SSDM2008), (2008) pp. 934-935
F31 Characterization of Ge photodetectors fabricated on vicinal Si substrate	K. Kuriyama K. Terao S. Yokoyama	Abst. Int. Conf. on Solid State Devices and Materials (SSDM2008), (2008) pp. 284-285
F32 Measurement of Surface Tension and Viscosity of Ethanol / Water Solutions Mixed with Micro Process Server by Surface Laser-Light Scattering	Takashi Kozu Tetsuro Miyamoto Ryo Miyake Yuji Nagasaka	Proceedings of 18th European Conference on Thermo-physical Properties, (2008)
F33 Disposable Bacterial Counting Cassette Integrated with Pretreatment and Micro Flow-Cell Based on Flow Cytometry Technique	Keiji Takenaka Yasuhiko Sasasaki Hisao Inami Hisao Nakamoto Yusuke Watanabe Masao Kurihara Kazuo Takei Shigenori Togashi Ryo Miyake	Proceedings of International Symposium on Microchemistry and Microsystems 2008, (2008)
F34 Integration architecture of content addressable memory and massive-parallel memory-embedded SIMD matrix for versatile multimedia processor	T. Kumaki M. Ishizaki T. Koide H. J. Mattausch Y. Kuroda T. Gyohten H. Noda K. Dosaka K. Arimoto K. Saito	IEICE Transactions on Electronics, **E91-C**, 9 (2008) pp. 1409-1418

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F35 Low-Power Image-Segmentation VLSI Design Based on a Pixel-Block Scanning Architecture	K. Okazaki K. Awane N. Nagaoka T. Sugahara T. Koide H. J. Mattausch	Extended Abstracts of the 2002 International Conference on Solid State Devices and Materials (SSDM2008), (2008) pp. 474-475
F36 Low Power and Area Efficient Image Segmentation VLSI Architecture Using 2-Dimensional Pixel-Block Scanning	Keita Okazaki Naomi Nagaoka Tatsuya Sugahara Tetsushi Koide H. J. Mattausch	Proceedings of International Symposium on Intelligent Signal Processing and Communication Systems (ISPACS), (2008)
F37 Swallowable Biosensor: Development of Digestive Organs Sensors for Continuous Diagnosis	Tomohide Noda Yuji Murakami Tomohiro Ishikawa Nobuo Sasaki Zhang Yi Tsuyoshi Takeuchi Takunari Kunimasa Kazuaki Shibata Tetsushi Koide Koh Johguchi Akio Kuroda	214th The Electrochemical Society Meeting, (2008)
F38 Laterally Diffused Metal Oxide Semiconductor Model for Device and Circuit Optimization	M. Yokomichi N. Sadachika M. Miyake T. Kajiwara H. J. Mattausch M. Miura-Mattausch	Jpn. J. Appl. Phys., **47**, 4 (2008) pp. 2560-2563
F39 Frequency Dependence of Measured Metal Oxide Semiconductor Field-Effect Transistor Distortion Characteristic	T. Minami Y. Takeda M. Miyake M. Miura-Mattausch H. J. Mattausch T. Ohguro T. Iizuka M.Taguchi S. Miyamoto	Jpn. J. Appl. Phys, **47**, 4 (2008) pp. 2610-2615
F40 Construction of a Compact Modeling Platform and its Application to the Development of Multi-Gate MOSFET Models for Circuit Simulation	M. Miura-Mattausch H.J. Mattausch M. Chan J. He H. Koike T. Nakagawa Y. J. Park T. Tutsumi Z. Yu	Proceedings of the 5th International Workshop on Compact Modeling (IWCM2008), (2008) pp. 1-4
F41 High-Voltage MOSFET Model with Consistently Determined Potential Distribution in MOS Channel and Drift Region	A. Oohashi M. Miyake M. Yokomichi H. Masuoka T. Kajiwara T. Kojima N. Sadachika U. Feldmann H.J. Mattausch M. Miura-Mattausch	Proceedings of the 5th International Workshop on Compact Modeling (IWCM2008), (2008) pp. 49-52
F42 Construction of a Compact Modeling Platform and Its Application to the Development of Multi-Gate MOSFET Models for Circuit Simulation	M. Miura-Mattausch M. Chan J. He H. Koike H.J. Mattausch T. Nakagawa Y.J. Park T. Tsutsumi Z. Yu	Proceedings of the 2008 NIST Nanotechnology Conference and Trade Show (NIST-Nanotech 2008), (2008) pp. 764-769

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F43 Modeling of Floating-Body Devices Based on Complete Potential Description	N. Sadachika T. Murakami M. Ando K. Ishimura K. Ohyama M. Miyake H.J. Mattausch M. Miura-Mattausch	Proceedings of the 2008 NIST Nanotechnology Conference and Trade Show (NIST-Nanotech 2008), (2008) pp. 778-781
F44 HiSIM-HV: a complete surface-potential-based MOSFET model for High Voltage Applications	Y. Oritsuki M. Yokomiti T. Sakuda N. Sadachika M. Miyake T. Kajiwara U. Feldmann H.J. Mattausch M. Miura-Mattausch	Proceedings of the 2008 NIST Nanotechnology Conference and Trade Show (NIST-Nanotech 2008), (2008) pp. 893-896
F45 A Consistently Potential Distribution Oriented Compact IGBT Model	M. Miyake A. Ohashi M. Yokomichi H. Masuoka T. Kajiwara N. Sadachika U. Feldmann H.J. Mattausch M. Miura-Mattausch T. Kojima T. Shoji Y. Nishibe	Proceedings 39th Annual IEEE Power Electronics Specialists Conference (IEEE PESC 2008), (2008) pp. 998-1003
F46 The HiSIM Compact Model Family for Integrated Devices Containing a Surface-Potential MOSFET Core	H.J. Mattausch M. Miura-Mattausch N. Sadachika M. Miyake D. Navarro	Proceedings of the 15th International Conference on Mixed Design of Integrated Circuits and Systems (MIXDES2008), (2008) pp. 39-50
F47 Development of Multi-Gate MOSFET Models for Circuit Simulation with a Compact Modeling Platform	H.J. Mattausch M. Chan J. He H. Koike M. Miura-Mattausch T. Nakagawa Y.J. Park T. Tsutsumi Z. Yu	Proceedings of the 15th International Conference on Mixed Design of Integrated Circuits and Systems (MIXDES2008), (2008) pp. 59-64
F48 Non-Quasi-Static Carrier Dynamics of MOSFETs under Low-Voltage Operation	M. Miyake D. Hori N. Sadachika U. Feldmann M. Miura-Mattausch H.J. Mattausch T. Iizuka K. Matsuzawa Y. Sahara T. Hoshida T. Tsukada	Proceedings of the IEEE International Conference on Simulation of Semiconductor Processes and Devices (SISPAD2008), (2008) pp. 381-384
F49 Modeling of High-Voltage MOSFETs for Device/Circuit Optimization	M. Miura-Mattausch M. Yokomichi N. Sadachika Y. Oritsuki T. Sakuda M. Miyake T. Kajiwara H. Kikuchihara U. Feldmann H.J. Mattausch	Extended Abstracts of the 2008 International Conference on Solid State Devices and Materials (SSDM2008), (2008) pp. 730-731

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F50 Consistent Dynamic Depletion Model of SOI-MOSFETs for Circuit/Device Optimization	S. Kusu K. Ishimura K. Ohyama T. Miyoshi D. Hori N. Sadachika T. Murakami M. Ando H.J. Mattausch M. Miura-Mattausch S. Baba J. Ida	Proceedings of the 34th 2008 IEEE International SOI Conference (SOI2008), (2008) pp. 59-60
F51 HiSIM-HV: A Compact Model for Simulation of High-Voltage-MOSFET Circuits	H.J. Mattausch T. Kajiwara M. Yokomichi T. Sakuda Y. Oritsuki M. Miyake N. Sadachika H. Kikuchihara U. Feldmann M. Miura-Mattausch	Proceedings of the International Conference on Solid-State and Integrated-Circuit Technology (ICSICT2008), (2008)
F52 Gaussian Monocycle Pulse Transmitter Using 0.18 um CMOS Technology With On-Chip Integrated Antennas for Inter-Chip UWB Communication	T. Kikkawa P. K. Saha N. Sasaki K. Kimoto	IEEE Journal of Solid-State Circuits, **43**, 5 (2008) pp. 1303-1312
F53 Theoretical investigation of maximum field strength in porous silica dielectric	Yasuhisa Kayaba Takamaro Kikkawa	Japanese Journal of Applied Physics, **47**, 7 (2008)
F54 Early Breast Cancer Detection by Ultrawide Band Imaging with Dispersion Consideration	X. Xiao T. Kikkawa	Japanese Journal of Applied Physics, **47**, 3209 (2008)

Published Books

Book Title (Editor Name)	Author Name	Publisher	Year
Combustion Phenomena: Selected Mechanisms of Flame Formation, Propagation, and Extinction	Satoru Ishizuka	CRC Press	2008
Advances in Industrial Engineering and Operations Research	Takeshi Matsui Kosuke Kato Masatoshi Sakawa Takeshi Uno Kenji Morihara	Springer	2008
Fuzzy Multi-Criteria Decision Making - Theory and Applications with Recent Developments -	Masatoshi Sakawa Kosuke Kato	Springer	2008
Tabu Search Algorithm Based on Strategic Oscillation for Nonlinear Minimum Spanning Tree Problems	Hideki Katagiri Masatoshi Sakawa Kosuke Kato Ichiro Nishizaki Takeshi Uno Tomohiro Hayashida	Springer	2008
Fundamental Algorithms of the Reconfigurable Mesh	Koji Nakano	Chapman & Hall/CRC	2008
Advanced Reliability Modeling III - Global Aspect of Reliability and Maintainability	S.-H. Shu T. Dohi	McGraw Hill	2008
fib Bulletin 47 Environmental design of concrete structures - General principles	Kenji Kawai	fib (The International Federation for Structural Concrete)	2008
Atlas historique de Kyoto, Analyse spatiale des système de mémoire d'une ville, de son architecture et de son paysage urbain	Shoichiro Sendai Nicolas Fiévé	Les Editions UNESCO	2008
The Physics and Modeling of MOSFETs: Surface-Potential Model HiSIM	M. Miura-Mattausch H.J. Mattausch T. Ezaki	World Scientific Publishing Corporation	2008

Registered Patents

Patent Name (Registered Number)	Inventor Name	Registered Date
Hybrid electro-optic polymer/sol-gel modulators with reduced half-wave voltage, lower insertion loss and improved contrast (UA07-117)	Y. Enami C.T. DeRose R.A. Norwood N. Peyghambarian	2008.12.1