

>>August 2005

1) Journal papers

(Computer Design and Test)

Zhiqiang You, Ken-ichi Yamaguchi, Jacob Savir, Michiko Inoue, Hideo Fujiwara, "Power-constrained test synthesis and scheduling algorithms for non-scan BIST-able RTL data paths," IEICE Transactions on Information and Systems, Vol. E88-D, No. 8, pp. 1940-1947, August 2005.

(Vision and Media Computing)

町田 貴史, 竹村 治雄, 横矢 直和: "実物体のモデル化のための相互反射を考慮した表面反射特性の推定", 電子情報通信学会論文誌(D-II), Vol. J88-D-II, No. 8, pp. 1450-1459, Aug. 2005.

池谷 彰彦, 佐藤 智和, 池田 聖, 神原 誠之, 中島 昇, 横矢 直和: "カメラパラメータ推定による紙面を対象とした超解像ビデオモザイク", 電子情報通信学会論文誌(D-II), Vol. J88-D-II, No. 8, pp. 1490-1498, Aug. 2005.

山澤 一誠, 石川 智也, 中村 豊, 藤川 和利, 横矢 直和, 砂原 秀樹: "Web ブラウザと全方位動画像を用いたテレプレゼンスシステム", 電子情報通信学会論文誌(D-II), Vol. J88-D-II, No. 8, pp. 1750-1753, Aug. 2005.

(Internet Architecture and Systems)

Takahiro Hirofuchi, Eiji Kawai, Fujikawa Kazutoshi, Hideki Sunahara, "USB/IP: A Transparent Device Sharing Technology over IP Network," IPSJ Transactions on Advanced Computing System, Vol.46, No.SIG 12 (ACS 11), pp.349-361, Aug. 2005.

(Software Engineering)

Yuichiro Kanzaki, Hiroshi Igaki, Masahide Nakamura, Akito Monden, Ken-ichi Matsumoto, "Quantitative analysis of information leakage in security-sensitive software processes," IPSJ Journal, Special Issue on Research on Computer Security Characterized in the Context of Social Responsibilities, Vol.46, No.8, pp. 2129-2141, Aug. 2005.

2) International conferences/Workshops

(Systems and Control)

Hisakazu Nakamura, Yuh Yamashita, Hirokazu Nishitani, "Complex homogeneous eigenvalues for complex homogeneous systems," SICE Annual Conference 2005,

pp.3033-3036, Okayama -日本,Aug.8-10,2005.

Kiminao Kogiso, Kenji Hirata, "Experimental Validation of Controller Switching Strategies for Constrained Systems," SICE Annual Conference 2005, Okayama -日本,Aug.8-10,2005.

Kiminao Kogiso, Masaru Noda, Hirokazu Nishitani, "A Reference Governor for Constrained Nonlinear Systems Based on a Lyapunov Function," The 3rd International Symposium on Design, Operation and Control of Chemical Processes. Seoul-Korea, Aug., 18-19, 2005.

Hisakazu Nakamura, Toshimitsu Kaji, Yuh Yamashita, Hirokazu Nishitani, "Global Position and Posture Control of a Two-wheeled Mobile Robot Using a Discontinuous Homogeneous Control," 2005 IEEE Conference on Control Applications, pp.1569-1574, Toronto, Canada, Aug.28-31,2005.

Kenichi Katoh, Nami Kidane, Hisakazu Nakamura, Hirokazu Nishitani, "Controller Design Method for a Nonlinear System with an Input Constraint and its Application to a Robot Arm," 2005 IEEE Conference on Control Applications, pp.1373-1378, Toronto, Canada, Aug.28-31,2005.

Xiwei Liu, Hiroaki Kosaka, Masaru Noda, Hirokazu Nishitani, "Model-based approach to graphic panel evaluation for plant operations," Proceedings of 3rd International Symposium on Design, Operation and Control of Chemical Processes, pp. 615-620, Seoul-Korea, August 18-19, 2005.

Masaru Noda, Hirokazu Nishitani, Shinnji Hasebe, "Unified optimization approach for design and operation of chemical processes," Proceedings of 3rd International Symposium on Design, Operation and Control of Chemical Processes, pp. 342-347, Seoul-Korea, August 18-19, 2005.

Kiminao Kogiso, Masaru Noda, Hirokazu Nishitani, "A reference governor control approach for constrained nonlinear systems based on a Lyapunov function," Proceedings of 3rd International Symposium on Design, Operation and Control of Chemical Processes, pp.405-410, Seoul-Korea, August 18-19, 2005.

Yanbin Pang, Hirokazu Nishitani, "Modeling and simulation of fieldbus control system," Proceedings of 3rd International Symposium on Design, Operation and Control of

Chemical Processes, pp.423-428, Seoul-Korea, August 18-19, 2005.

Osamu Tonomura, Manabu Kano, Shinji Hasebe, Masaru Noda, Systematic Design of Microreactors for Exothermic Multiple Reactions, Proceedings of 3rd International Symposium on Design, Operation and Control of Chemical Processes, pp.122-127, Seoul-Korea, August 18-19, 2005

Chikahito Nakajima, Hiromi Asano, Go Suzuki, Masaru Noda, "The Position Detection of Oil Refinery Field Operations by Wearable and Surveillance Cameras," Proceedings of 3rd International Symposium on Design, Operation and Control of Chemical Processes, pp.452-457, Seoul-Korea, August 18-19, 2005.

(Communications)

K.Anwar, M.Saito, T.Hara, M.Okada and H.Yamamoto, "Simplified Realization of Carrier Interferometry OFDM by FFT Algorithm ", The 2nd IEEE APWCS, Sapporo, Japan, August 2005.

H.Okamoto, K. Anwar, T.Hara, M.Saito, M.Okada and H.Yamamoto, "PAPR Reduction of OFDM Signals using Clipping and Carrier Interferometry Codes", The 2nd IEEE APWCS, Sapporo, Japan, August 2005.

(Speech and Acoustics)

Tomoya Takatani, Satoshi Ukai, Tsuyoki Nishikawa, Hiroshi Saruwatari, Kiyohiro Shikano, "Blind Sound Scene Decomposition for Robot Audition Using SIMO-Model-Based ICA," Proc. of International Conference on Intelligent Robots and Systems (IROS2005), pp.209 - 214, August 2005.

Hiroshi Saruwatari, Yoshimitsu Mori, Tomoya Takatani, Satoshi Ukai, Kiyohiro Shikano, Takashi Hiekata, Takashi Morita, "Two-Stage Blind Source Separation Based on ICA and Binary Masking for Real-Time Robot Audition System," Proc. of International Conference on Intelligent Robots and Systems (IROS2005), pp.215 - 220, August 2005.

Yasuaki Ohashi, Tsuyoki Nishikawa, Hiroshi Saruwatari, Akinobu Lee, Kiyohiro Shikano, "Noise-Robust Hands-free Speech Recognition Based on Spatial Subtraction Array and Known Noise Superimposition," Proc. of International Conference on Intelligent Robots and Systems (IROS2005), pp.533 - 537, August 2005.

Shigeki Miyabe, Hiroshi Saruwatari, Kiyohiro Shikano, Yosuke Tatekura,

"Nullspace-Based Sound Field Control for Barge-in-Free Spoken Dialogue Interface,"
Proceedings of 33th International Congress and Exposition on Noise Control
Engineering (InterNoise 2005), August 2005.

(Vision and Media Computing)

T. Asai, M. Kanbara, and N. Yokoya: " 3D modeling of outdoor scenes by integrating
stop-and-go and continuous scanning of rangefinder", CD-ROM Proc. the ISPRS
Working Group V/4 Workshop 3D-ARCH 2005: Virtual Reconstruction and Visualization
of Complex Architectures, Vol. XXXVI, Aug. 2005.

(Internet Architecture and Systems)

Naomi Terada, Eiji Kawai, Hideki Sunahara, "Extracting Client-Side Streaming QoS
Information from Server Logs," Proceedings of 2005 IEEE Pacific Rim Conference on
Communications, Computers and Signal Processing, pp.621-624, Aug 2005.

Ismail Arai, Kazutoshi Fujikawa, Hideki Sunahara, "A Proposal of information retrieval
method based on TPO metadata," Proceedings of 2005 IEEE Pacific Rim Conference
on Communications, Computers and Signal Processing, pp.442-445, Aug 2005.

(Computational Linguistics)

Takahiko Ito, Masashi Shimbo, Taku Kudo, Yuji Matsumoto, "Application of kernels to
link analysis," Proceedings of the Eleventh ACM SIGKDD International Conference on
Knowledge Discovery and Data Mining (KDD-2005), pp.586-592, Chicago, August
2005.

(Internet Engineering)

Masayoshi Shimamura, Katsuyoshi Iida, Hiroyuki Koga, Youki Kadobayashi, and
Suguru Yamaguchi, "Performance evaluation of hose bandwidth allocation method
using feedback control and class-based queueing for VPNs," International Conference
on Pacific Rim 2005, pp.241-244, Aug. 2005.