

>>June 2005

1) Journal papers

**(Computer Design and Test)**

Dong Xiang, Ming-Jing Chen, Jia-guang Sun, Hideo Fujiwara, "Improving test effectiveness of scan-based BIST by scan chain partitioning." IEEE Trans. on CAD, Vol. 24, No. 6, pp. 916-927, June 2005.

Yoshiyuki Nakamura, Jacob Savir, Hideo Fujiwara, "Defect level vs. yield and fault coverage in the presence of an unreliable BIST," IEICE Transactions on Information and Systems, Vol. E88-D No. 6 pp.1210-1216, June 2005.

井上 美智子, 神戸 和子, Virendra Singh, 藤原 秀雄, "縮退故障とパス遅延故障のためのプロセッサの命令レベル自己テスト法," 電子情報通信学会和文論, (DI,) Vol. J88-D-I, No. 6, pp.1003-1011, June 2005.

大谷 浩平, 大竹 哲史, 藤原 秀雄, "縮退故障のテスト生成アルゴリズムを用いたパス遅延故障に対するテスト生成法" 電子情報通信学会論文誌, (DI) ) Vol. J88-D-I, No. 6, pp.1057-1064, June 2005

**(Software Engineering)**

Akito Monden, Masatake Yamato, Ken-ichi Matsumoto, "Evaluation of gaze-added target selection methods suitable for general GUIs," International Journal of Computer Applications in Technology, Vol.24, No.1 pp.17-24, June 2005.

**(Internet Engineering)**

Masashi Eto, Youki Kadobayashi, Suguru Yamaguchi, "Improvement of Consistency among AS Policies on IRR Database," IPSJ Journal, Vol. 46, No. 6, pp. 1456-1465, June 2005.

Eiji Kawai, Youki Kadobayashi, Suguru Yamaguchi, "Reducing Processor Usage on Heavily-loaded Network Servers with POSIX Real-time Scheduling Control," IEICE Transactions on Information and Systems, Vol. E88-D, No. 6, pp.1168-1177, June 2005.

**(Speech and Acoustics)**

Tatsunori Asai, Hiroshi Saruwatari, and Kiyohiro Shikano, "Interface for barge-in free spoken dialogue system combining adaptive sound field control and microphone array," IEICE Trans. Fundamentals, Vol.E88-A, No.6, pp.1613--1618, 2005.

Rajkishore Prasad, Hiroshi Saruwatari, and Kiyohiro Shikano, "Effect of Central Limit Theorem non-compliance on blind separation of speech by negentropy maximization," *Acoustical Science and Technology*, Vol.26, No.6, pp.511--522, June, 2005.

### **(Image Processing)**

Kazuhiro Kohyama, Yoshihiro Yasumuro, Masataka Imura, Yoshitsugu Manabe, Osamu Oshiro, Keishichiro Moroi and Kunihiro Chihara: Measurement and Visualization of Three-Dimensional Vertebra Shape by Freehand Ultrasound Scanning, *Japanese Journal of Applied Physics*, Vol. 44, No.6B, 2005, pp. 4637-464, June 2005.

D.Douxchamps, D.Devriendt, H.Capart, C.Craeye, B.Macq, Y.Zech: Stereoscopic and Velocimetric Reconstructions of the Free Surface Topography of Antidune Flows, *Experiments in Fluids*, Vol.39, pp. 533-551, June 2005.

## 2) International conferences/Workshops

### **(Software Engineering)**

Takahiro Kimura, Haruaki Tamada, Hiroshi Igaki, Masahide Nakamura, Ken-ichi Matsumoto, "A Visual Framework for Monitoring and Controlling Distributed Service Components," *Proc. of 1st Korea-Japan Joint Workshop on Ubiquitous Computing and Networking Systems (ubiCNS 2005)*, pp.245-250, June 2005.

Masahide Nakamura, Hiroshi Igaki, Ken-ichi Matsumoto, "Feature Interactions in Integrated Services of Networked Home Appliances -An Object-Oriented Approach-," *Proc. of Int'l. Conf. on Feature Interactions in Telecommunication Networks and Distributed Systems (ICFI'05)*, June 2005.

### **(Internet Engineering)**

Masashi Eto, Keita Natsuyama, Youki Kadobayashi, Suguru Yamaguch, "A Proposal and Implementation of Policy-Based Cost Assignment Algorithm for Link State Protocols," *TERENA Networking Conference 2005*, June 2005.

### **(Artificial Intelligence)**

Ikuhisa Mitsugami, Norimichi Ukita, Masatsugu Kidode, "Multi-Planar Projection by Fixed-Center Pan-Tilt Projectors," *IEEE International Workshop on Projector-Camera Systems (Procams 2005)*, June 2005.

### **(Robotics)**

Etsuko Ueda, Yoshio Matsumoto, Tsukasa Ogasawara : "Virtual Clay Modeling System

Using Multi-viewpoint Images", The Fifth International Conference on 3D Digital Imaging and Modeling (3DIM2005), June13-16. 2005.

### **(Vision and Media Computing)**

K. Fudono, T. Sato, and N. Yokoya: "Interactive 3-D modeling system using a hand-held video camera", Proc. 14th Scandinavian Conf. on Image Analysis (SCIA2005), pp. 1248-1258, June 2005.

M. Oe, T. Sato, and N. Yokoya: "Estimating camera position and posture by using feature landmark database", Proc. 14th Scandinavian Conf. on Image Analysis (SCIA2005), pp. 171-181, June 2005.

T. Machida, N. Yokoya, and H. Takemura: "Inverse global illumination rendering for dense estimation of surface reference properties", Proc. 14th Scandinavian Conf. on Image Analysis (SCIA2005), pp. 790-801, June 2005.

T. Asai, M. Kanbara, and N. Yokoya: "3D Modeling of outdoor environments by integrating omnidirectional range and color images", Proc. Int. Conf. on 3-D Digital Imaging and Modeling (3DIM), pp. 447-454, June 2005. (pdf file)

### **(Internet Architecture and Systems)**

Hideki Shimada, Teruaki Kitasuka, Akira Fukuda, Hideki Sunahara, "Access Point Determination Method Considering Route Stability on the Hybrid Ad-hoc Network," Proceedings of the 2005 International Conference on Wireless Networks, pp.348-353, Jun 2005.

### **(Computational Linguistics)**

Nozomi KOBAYASHI, Ryu IIDA, Kentaro INUI, Yuji MATSUMOTO, "Opinion Mining as Extraction of Attribute-Value Pairs," Proceedings of the First International Workshop on Risk Management Systems with Intelligent Data Analysis (RMDA-2005), Kitakyushu, pp.89-98, June 2005.

### **(Image Processing)**

Hiroshi Sasaki, Tadayuki Takeda, Masataka Imura, Yoshihiro Yasumuro, Yoshitsugu Manabe, Kunihiro Chihara: Development of Direct Manipulation Interface for Collaborative VR/MR Workspace, 14th Scandinavian Conference on Image Analysis, pp. 161-170 Joensuu, Finland, June 2005.

Yuuki Uranishi, Mika Naganawa, Yoshihiro Yasumuro, Masataka Imura, Yoshitsugu Manabe, Kunihiro Chihara: Three-Dimensional Measurement System Using a Cylindrical Mirror, 14th Scandinavian Conference on Image Analysis, pp. 399-408 Joensuu, Finland, June 2005.

Mika Naganawa, Yuichi Kimura, Tadashi Nariai, Kenji Ishii, Keiichi Oda, Yoshitsugu Manabe, Kunihiro Chihara, Kiichi Ishiwata: Formation of binding potential maps of adenosine A1 and A2A receptors using independent component analysis without arterial blood sampling, VIIth International Conference on Quantification of Brain Function with PET, BP-20, CDROM(bp-20.pdf) Amsterdam, The Netherlands, June 2005.

Yuichi Kimura, Junnichi Yano, Mihoko Tsukahara, Mika Naganawa, Kenji Ishii, Kiichi Ishiwata: Clustering approach for voxel-based Logan plot to improve noise reduction capability, VIIth International Conference on Quantification of Brain Function with PET, BP-49, CDROM(bp-49.pdf) Amsterdam, The Netherlands, June 2005.