

## >>July 2003

### 1) Journal papers

2003/7 ( Computer Design and Test )

山口 賢一, 井上 美智子, 藤原 秀雄, "階層 BIST : 低いハードウェア オーバヘッドを実現する Test-per-clock 方式 BIST," 電子情報通信学会論文誌 (DI), Vol. J86-D-I, No.7, pp. 467-479, July 2003.

2003/07/01 ( Image Processing )

Mikio Suga, Tetsuya Matsuda, Kotaro Minato, Osamu Oshiro, Kunihiro Chihara, Jun Okamoto, Osamu Takizawa, Masaru Komori, Takashi Takahashi: Measurement of In Vivo Local Shear Modulus Using MR Elastography Multiple-Phase Patchwork Offsets, IEEE Transactions on Biomedical Engineering, Vol.50, No7, pp.908-915 (2003/07/01)

### 2) International conferences/Workshops

2003/7 ( Robotics )

K. Takemura, J.Ido, Y.Matsumoto, T.Ogasawara: Development of Non-Contact Drive Monitoring System for Advanced Safety Vehicle", IEEE/ASME International Conference on Advanced Intelligent Mechatronics(AIM2004),pp.1119-1122,Kobe, Japan, 2003.7.

2003/7 ( Speech and Acoustics )

R.Nisimura, Y.Nishihara, R.Tsurumi, A.Lee, H.Saruwatari, K.Shikano, "Takemaru-kun: Speech-Oriented Information System for Real World Research Platform", International Workshop on Language Understanding and Agents for Real World Interaction, pp.70-78, July 2003

2003/7 ( Speech and Acoustics )

Tomoya Takatani, Tsuyoki Nishikawa, Hiroshi Saruwatari, Kiyohiro Shikano, "High-Fidelity Blind Separation for Convolutional Mixture of Acoustic Signals Using SIMO-Model-Based Independent Component Analysis," Proceedings of Seventh International Symposium on Signal Processing and its Applications (ISSPA2003), July 2003.

2003/7 ( Speech and Acoustics )

Hiroshi Saruwatari, Hiroaki Yamajo, Tomoya Takatani, Tsuyoki Nishikawa, Kiyohiro Shikano, "Parallel Structured Independent Component Analysis for SIMO-Model-Based Blind Separation and Deconvolution of Convolutional Speech Mixture," Proceedings of International Joint Conference on Neural Networks (IJCNN2003), pp.714--719, July 2003.

2003/7 ( Communications )

M. Saito, T. Hara, T. Gima, M. Okada, H. Yamamoto : Selection of spreading sequences of multicarrier

CDMA system in the nonlinear channel, The First Joint Workshop on Mobile Multimedia Communications

2003/7 ( Communications )

M. Okada, N. Nagai, M. Saito, T. Hara, H. Yamamoto: Mobile reception of digital terrestrial television broadcasting for mobile multimedia, The First Joint Workshop on Mobile Multimedia Communications

2003/7 ( Robotics )

Jun Ueda , Reishi Oya , Tsukasa Ogasawara , and Tsuneo Yoshikawa : "Solution of Human-like Redundant Manipulator Mounted on Flexible Body for Task-space Feedback Control," Proceedings of the 2003 IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM 2003), pp.1429-1434, 2003.7.

2003/7 ( Robotics )

Yoshihisa Adachi, Kenji Goto, Yoshio Matsumoto, Tsukasa Ogasawara : "Development of Control Assistant System for Robotic Wheelchair - Estimation of User's Behavior based on Measurements of Gaze and Environment -," Proceedings 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation (CIRA 2003), FA1-III-1, 2003.7.

2003/7 ( Robotics )

Yoshihisa Adachi, Hiroaki Saito, Yoshio Matsumoto, Tsukasa Ogasawara : "Memory-Based Navigation using Data Sequence of Laser Range Finder," Proceedings 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation (CIRA 2003), TP3-V-3, 2003.7.

2003/7 ( Robotics )

Jun'ichi Ido, Yohei Myouga, Yoshio Matsumoto, Tsukasa Ogasawara: "Interaction of Receptionist ASKA Using Vision and Speech Information," Proceedings of International Conference on Multisensor Fusion and Integration for Intelligent Systems, 2003.7.

2003/07/29 ( Image Processing )

Yoshihiro Yasumuro, Masataka Imura, Kunihiro Chihara : Realtime hand animation with potential-based constraints, Proc. of 10th ISPE International Conference on Concurrent Engineering: Research and Applications -Advanced Design, Production and Management System, pp.981-987

2003/07/29 ( Image Processing )

Mikako Murakami, Yoshihiro Yasumuro, Yoshitsugu Manabe, Kunihiro Chihara, Tomohiro Kuroda : Modifier representation in sign animation, Proc. of 10th ISPE International Conference on

Concurrent Engineering: Research and Applications -Advanced Design, Production and Management Systems, pp.989-994

2003/7 ( Computational Linguistics )

Combining Segmenter and Chunker for Chinese Word Segmentation Masayuki Asahara, Chooi Ling Goh, Xiaojie Wang and Yuji Matsumoto ACL 2003 Workshop: Second SIGHAN Workshop on Chinese Language Processing, Bakeoff papers, pp.144-147, July 2003.

2003/7 ( Computational Linguistics )

Protein name tagging for biomedical annotation in text Kaoru Yamamoto, Taku Kudo, Akihiko Konagaya and Yuji Matsumoto ACL 2003 Workshop: Natural Language Processing in Biomedicine, pp.65-72, July 2003.

2003/7 ( Computational Linguistics )

Feature Selection in Categorizing Procedural Expressions Mineki Takechi, Takenobu Tokunaga, Yuji Matsumoto and Hozumi Tanaka The Sixth International Workshop on Information Retrieval with Asian Languages (IRAL2003), pp.49-56, July 2003.

2003/7 ( Computational Linguistics )

Chinese Unknown Word Identification Using Character-based Tagging and Chunking Goh Chooi Ling, Masayuki Asahara and Yuji Matsumoto ACL 2003: 41st Annual Meeting of the Association for Computational Linguistics, Interactive Poster/Demo Sessions, July 2003. (to appear)

2003/7 ( Computational Linguistics )

Feedback cleaning of machine translation rules using automatic evaluation Kenji Imamura, Eiichiro Sumita and Yuji Matsumoto ACL 2003: 41st Annual Meeting of the Association for Computational Linguistics, pp.447-454, July 2003

2003/7 ( Computational Linguistics )

Fast methods for kernel-based text analysis Taku Kudo and Yuji Matsumoto ACL 2003: 41st Annual Meeting of the Association for Computational Linguistics, pp.24-31, July 2003.

2003/7 ( Computational Linguistics )

Kentaro Inui, Atsushi Fujita, Tetsuro Takahashi, Ryu Iida and Tomoya Iwakura. Text simplification for reading assistance. Second International Workshop on Paraphrasing: Paraphrase Acquisition and Applications (IWP2003), pp. 9-16, 2003.7.13

2003/7 ( Computational Linguistics )

Kentaro Inui, Akiko Yamashita and Yuji Matsumoto. Dialogue management for language-based

information seeking. First International Workshop on Language Understanding and Agents for Real World Interaction, pp. 32-38, 2003.7.11

2003/7 ( Artificial Intelligence )

Norimichi Ukita, Takashi Matsuyama, "Real-Time Cooperative Multi-Target Tracking by Communicating Active Vision Agents", 6th International Conference on Information Fusion, July 2003.

2003/7 ( Artificial Intelligence )

Tatsuyuki Kawamura, Tomohiro Fukuhara, Hideaki Takeda, Yasuyuki Kono, Masatsugu Kidode, "Ubiquitous Memories: Wearable Interface for Computational Augmentation of Human Memory based on Real World Objects", The International Conference on Cognitive Science, July 2003

2003/7 ( Artificial Intelligence )

Akihiro Kobayashi, Yasuyuki Kono, Atsushi Ueno, Izuru Kume, Masatsugu Kidode, "Robot Middleware Architecture Mediating Familiarity-Oriented and Environment-Oriented Behaviors", The 5th IEEE International Symposium on Computational Intelligence in Robotics and Automation, July 2003.

2003/7 ( Artificial Intelligence )

Vachirasuk Setalaphruk, Atsushi Ueno, Izuru Kume, Yasuyuki Kono, Masatsugu Kidode, "Robot Navigation in Corridor Environments using a Sketch Floor Map", The 5th IEEE International Symposium on Computational Intelligence in Robotics and Automation, July 2003.

2003/7 ( Artificial Intelligence )

Akihiro Kobayashi, Izuru Kume, Atsushi Ueno, Yasuyuki Kono, Masatsugu Kidode, "A Robot Programming Model for Meditating Between Familiarity-Oriented Behaviors and Environment-Oriented Behaviors", The 7th World Multi-Conference on Systemics, Cybernetics and Informatics, July 2003.

2003/7 ( Vision and Media Computing )

T. Sato, M. Kanbara, and N. Yokoya: "3-D modeling of an outdoor scene from multiple images sequences by estimating camera motion parameters", Proc. 13th Scandinavian Conf. on Image Analysis (SCIA2003), pp.717-724, Goteborg, Sweden, July 2003.

2003/7 ( Vision and Media Computing )

K. Yamazawa and N. Yokoya: "Detecting moving objects with an omnidirectional camera based on adaptive background subtraction", Proc. 13th Scandinavian Conf. on Image Analysis (SCIA2003), pp.969-974, Goteborg, Sweden, July 2003.

2003/7 ( Vision and Media Computing )

S. Ikeda, T. Sato, and N. Yokoya: ``Panoramic movie generation using an omnidirectional multi-camera system for telepresence'', Proc. 13th Scandinavian Conf. on Image Analysis (SCIA2003), pp.1074-1081, Goteborg, Sweden, July 2003.

2003/7 ( Vision and Media Computing )

S. Morita, K. Yamazawa, and N. Yokoya: ``Networked video surveillance using multiple omnidirectional cameras'', Proc. IEEE Int. Sympo. on Computational Intelligence in Robotics and Automation (CIRA2003), pp.1245-1250, Kobe, Japan, July 2003.

2003/7 ( Vision and Media Computing )

T. Sato, M. Kanbara, and N. Yokoya: ``Outdoor scene reconstruction from multiple images sequences captured by a hand-held video camera'', Proc. IEEE Int. Conf. on Multisensor Fusion and Integration for Intelligent Systems (MFI2003), pp.113-118, Tokyo, Japan, July 2003.

2003/7 ( Vision and Media Computing )

S. Ikeda, T. Sato, and N. Yokoya: ``High-resolution panoramic movie generation from video streams acquired by an omnidirectional multi-camera system'', Proc. IEEE Int. Conf. on Multisensor Fusion and Integration for Intelligent Systems (MFI2003), pp.155-160, Tokyo, Japan, July 2003.

2003/7 ( Vision and Media Computing )

B. Okumura, T. Machida, and N. Yokoya: ``Fast rendering of reflections in non-uniform surfaces using a multi-scale environment map'', ACM SIGGRAPH2003 Conference Abstracts and Applications, San Diego, California, July 2003.

2003/7 ( Software Engineering )

Ruediger Oehlmann and Kazuyuki Shima, "Conceptual change in system understanding: Towards creative software design," Proc. 7th World Multiconference on Systemics, Cybernetics and Informatics (SCI2003), Vol.?, pp.?-?, Orlando, USA, July 2003.

2003/7 ( Software Engineering )

Yasuhiro Takemura, Ken-ichi Matsumoto, Katsuro Inoue, and Koji Torii, "A statistical analysis on the order of understanding for the Java programming language" Proc. 7th World Multiconference on Systemics, Cybernetics and Informatics (SCI2003), Vol.16, pp.294-299, Orlando, USA, July 2003.

2003/7 ( Software Engineering )

Shinji Uchida and Kazuyuki Shima, "An experiment of software understandability using probabilistic model," Proc. 7th World Multiconference on Systemics, Cybernetics and Informatics (SCI2003), Vol.13, pp.315-320, Orlando, USA, July 2003.

2003/7 ( Software Engineering )

Tomoyuki Yokogawa, Tatsuhiro Tsuchiya, Masahide Nakamura, and Tohru Kikuno, "Detecting feature interactions in telecommunication services by bounded model checking," Proc. 2003 International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC2003), Vol.3, pp.1807-1810, July 2003.

2003/7 ( Software Engineering )

Masahide Nakamura, Pattara Leelaprute, Ken'ichi Matsumoto and Tohru Kikuno, "Detecting script-to-script interactions in call processing language," Proc. 7th Int'l. Workshop on Feature Interactions in Telecommunication Networks and Distributed Systems (FIW'03), pp.215-230, Ottawa, Canada, July 2003.

2003/6 ( Software Engineering )

Noboru Nakamichi, Makoto Sakai, Jian Hu, Kazuyuki Shima, Masahide Nakamura, "WebTracer: Evaluating web usability with browsing history and eye movement," Proc. 10th Int'l Conference on Human - Computer Interaction (HCI International 2003), Vol.1, pp.813-817, Crete, Greece, June 2003 (to appear).