

## >> September 2004

### 1) Journal papers

2004/9 ( Speech and Acoustics )

中島淑貴、柏岡秀紀、ニックキャンベル、鹿野清宏、"非可聴つぶやき認識"、電子情報通信学会論文誌, Vol.J87-D-II, No.9, pp.1757-1764, September, 2004.

2004/9 ( Systems and Control )

Yanbin Pang, Hirokazu Nishitani: Timing Analysis and a Modified PID Control Algorithm of Fieldbus Control System, Journal of Chemical Engineering of Japan, Vol.37, No.9 pp.1105-1116, Sep, 2004,

2004/9 ( Systems and Control )

Yinhua Jin, Yuh Yamashita, Hirokazu Nishitani: Human Modeling and Simulation for Plant Operations Computers & Chemical Engineering, Vol.28, No.10 pp.1967-1980, Sep, 2004,

2004/9 ( Systems and Control )

Kiminao Kogiso, Kenji Hirata: "Controller switching strategies for constrained mechanical systems with applications to the remote control over networks", IEEE CCA/ISIC/CACSD, pp.480-484, Taipei, Taiwan, Sep.2-4, 2004, Invited

2004/9 ( Computational Linguistics )

工藤拓, 松本裕治, "半構造化テキスト分類のためのブースティングアルゴリズム," 情報処理学会論文誌, Vol.45, No.9, pp.2146-2156, September 2004.

2004/9 ( Computational Linguistics )

工藤拓, 松本裕治, "カーネル法を用いた言語解析における高速化手法," 情報処理学会論文誌, Vol.45, No.9, pp.2177-2185, September 2004.

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伊藤 敬彦, 新保 仁, 工藤 拓, 松本 裕治, "カーネル法による計量書誌尺度の統一的解釈," 人工知能学会論文誌, Vol.19, No.6, pp.530-539, September 2004.

2004/9 (Vision and Media Computing)

佐藤 智和, 池田 聖, 横矢 直和: "自然特徴点を利用したマルチベースラインステレオによる全方位奥行き画像推定",情報科学技術フォーラム(FIT) 情報科学技術レターズ, Vol. 3, pp. 161-164, Sep. 2004.

2004/9 (Vision and Media Computing)

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超解像ビデオモザイク", 情報科学技術フォーラム(FIT) 情報科学技術レターズ, Vol. 3, pp. 165-168, Sep. 2004.

2004/9 ( Language Design )

井上晶広, 蔵川圭, 中西正樹, 渡邊勝正: コンポーネントベース開発のためのアプリケーションフレームワーク 情報科学技術フォーラム(FIT) 情報科学技術レターズ, Sep. 2004

2004/9 ( Software Engineering )

Makoto Sakai, Masunori Kubota, Masaya Okita, Ken-ichi Matsumoto, Koji Torii, A new environment for improving legacy software on embedded systems, Systems and Computers in Japan, Vol.35 No.9, pp. 81-91, Sep. 2004

## 2) International conferences/Workshops

2004/9 ( Image Processing )

Yoshihiro Yasumuro, Shin Nakate, Masataka Imura, Yoshitsugu Manabe, Kunihiro Chihara: LABANOTATION-BASED MOTION EDITING FOR ANIMATED HUMAN CHARACTER , VISUALIZATION, IMAGING, AND IMAGE PROCESSING (VIIP2004), pp.884-889 Marbella, Spain, Sep. 2004.

2004/9 ( Image Processing )

William Dee Rieken, Yoshihiro Yasumuro, Masataka Imura, Yoshitsugu Manabe, Kunihiro Chihara: Vision Sensor Fusion for Circular Wing Planform, AIAA 3rd, CD-ROM Proceedings Chicago, USA, Sep. 2004.

2004/9 ( Image Processing )

Yoshitsugu Manabe, Masaki Yamamoto, Kunihiro Chihara: " Deformation and Composition of Shadow for Virtual Studio" , International Conference on Computer Vision and Graphics (ICCVG2004)", Sep. 2004.

2004/9 ( Computational Linguistics )

Takahiko Ito, Masashi Shimbo, Taku Kudo, and Yuji Matsumoto, "Application of kernels to link analysis: first results,"

In Proceedings of the Second Workshop on Mining Graphs, Trees and Sequences (MGTS'04), pp.13-24, Pisa, September 2004.

2004/9 (Speech and Acoustics)

Hiroaki Yamajo, Hiroshi Saruwatari, Tomoya Takatani, Tsuyoki Nishikawa, Kiyohiro Shikano, Evaluation of Blind Separation and Deconvolution for Binaural-Sound Mixtures Using SIMO-Model-Based ICA, Proceedings of the 12th European Signal Processing Conference (EUSIPCO2004), pp.1709-1712, September 2004.

2004/9 (Speech and Acoustics)

Yosuke Tatekura, Shigefumi Urata, Hiroshi Saruwatari, Kiyohiro Shikano, On-line adaptive algorithm to acoustic fluctuation for inverse filter relaxation in sound reproduction system, Proceedings of the 12th European Signal Processing Conference (EUSIPCO2004), pp.1765-1768, September 2004.

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Tsuyoki Nishikawa, Hiroshi Saruwatari, Kiyohiro Shikano, Atsunobu Kaminuma, Stable and Low-Distortion Algorithm Based on Overdetermined Blind Separation for Convolutional Mixtures of Speech, 5th International Symposium on Independent Component Analysis and Blind Signal Separation (ICA2004), pp.881-888, September 2004.

2004/9 (Speech and Acoustics)

Satoshi Ukai, Hiroshi Saruwatari, Tomoya Takatani, Kiyohiro Shikano, Ryo Mukai, Hiroshi Sawada, Evaluation of Multistage SIMO-Model-Based Blind Source Separation Combining Frequency-Domain ICA and Time-Domain ICA, 5th International Symposium on Independent Component Analysis and Blind Signal Separation (ICA2004), pp.626-633, September 2004.

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Raj Kishore Prasad, Hiroshi Saruwatari, Kiyohiro Shikano, Single Channel Speech Enhancement: MAP Estimation Using GGD Prior Under Blind Setup, 5th International Symposium on Independent Component Analysis and Blind Signal Separation (ICA2004), pp.873-880, September 2004.

2004/9 (Vision and Media Computing)

M. Kanbara and N. Yokoya: Real-time estimation of light source environment for photorealistic augmented reality, Proc. 17th IAPR Int. Conf. on Pattern Recognition (ICPR2003), Vol. II, pp.911-914, September 2004.

2004/9 (Vision and Media Computing)

S. Ikeda, T. Sato, M. Kanbara, and N. Yokoya: An immersive telepresence system with a locomotion interface using high-resolution omnidirectional movies, Proc. 17th IAPR Int. Conf. on Pattern Recognition (ICPR2004), Vol. IV, pp.396-399, September 2004.

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T. Machida, H. Takemura, and N. Yokoya, Dense estimation of surface reflectance properties based on inverse global illumination rendering, Proc. 17th IAPR Int. Conf. on Pattern Recognition (ICPR2002), Vol. II, pp.895-898, September 2004.

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2004/9 (Vision and Media Computing)

T. Asai, M. Kanbara, and N. Yokoya: 3D modeling of outdoor scenes from omnidirectional range and color images, Proc. Int. Conf. on Computer Vision and Graphics (ICCVG2004), Vol. 2, September 2004.

2004/9 (Internet Engineering)

Zhang Shu and Youki Kadobayashi, "Troubleshooting on Intra-Domain Routing Instability", In Proceedings of ACM SIGCOMM Workshop on Network Troubleshooting, September 2004.

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H. Koga, K. Iida, and Y. Oie: "Receiver-based Flow Control Mechanism with Interlayer Collaboration for Real-Time Communication Quality in W-CDMA Networks," Proc. IFIP TC-6 9th Int'l Conference on Personal Wireless Communications (PWC2004), under the publication of Lecture Notes in Computer Science, Springer,

vol. 3260, pp.286-300, Sept. 2004.

2004/9 (Communications)

N. Aoyama, Y.C. Yu, M. Suzuki, M. Okada, H. Yamamoto, "A Simple OFDM Diversity Receiver Based on Antenna Combining", 2004 IEEE Radio and Wireless Conference, ppt.291-294, Sept., 2004.

2004/9 (Communications)

Y.C. Yu, M. Okada, H. Yamamoto, "Dipole-Array Assisted Doppler Spread Compensator for Mobile Digital Terrestrial Television Broadcasting Receiver", 2004 IEEE Radio and Wireless Conference, ppt.123-126, Sept., 2004.

2004/9 (Communications)

K. Kitanosono, T. Taniguchi, M. Okada, H. Yamamoto, "A Simple OFDM Diversity Receiver Based on Antenna Combining", 9th International OFDM-Workshop, ppt.119-222, Sept., 2004.

2004/9 (Communications)

T. Noritomo, M. Okada, H. Yamamoto, "A Joint Antenna and Post-DFT Combining Diversity Scheme in OFDM Receiver", 1st International Symposium on Wireless Communication Systems, Sept., 2004.

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S.A. Rahman, M. Saito, M. Okada, H. Yamamoto, "An MC-CDMA Signal Equalization and Detection Scheme Based on Support Vector Machines", 1st International Symposium on Wireless Communication Systems, Sept., 2004.

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T.Okuda, M.Saito, T.Hara, M.Okada and H.Yamamoto, "PAPR Comparison between MC-CDMA System with and without Long Code", The 3rd IASTED International Conference on Communication Systems and Networks, pp.29-34, Sept.1-3, 2004, Marbella,Spain.

2004/9 (Communications)

Masaya Tanigawa, Takao Hara, Mamoru Fukui and Heiichi Yamamoto, "FAST ACQUISITION AND LOW CORRELATION MULTI-COMPONENT CODE", IEEE 15th International Symposium on Personal, Indoor and Mobile Radio Communications

(PIMRC2004) , Sept. 5-8, 2004, Barcelona, Spain.

2004/9 (Communications)

Akhmad Unggul Priantoro, Minoru Okada and Heiichi Yamamoto, "NOVEL SIR MEASUREMENT METHOD FOR MODIFIED CLOSED LOOP TRANSMIT DIVERSITY IN W-CDMA", IEEE 15th International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC2004) , Sept. 5-8, 2004, Barcelona, Spain.

2004/9 (知能情報処理学)

Akihiro Kobayashi, Yasuyuki Kono, Atsushi Ueno, Izuru Kume, Masatsugu Kidode, Personalization of Dynamically Loaded Service Programs Keeping Human-Robot Communication Channel, 13th IEEE International Workshop on Robot and Human Interactive Communication, Sep. 2004.

2004/9 (Artificial Intelligence)

Satoshi Murata, Tatsuyuki Kawamura, Yasuyuki Kono, Masatsugu Kidode, Supporting Subject Experience Editing in the Ubiquitous Memories Environment, 13th IEEE International Workshop on Robot and Human Interactive Communication, Sep. 2004.

2004/9 (Systems and Control)

Kiminao Kogiso, Kenji Hirata, "Controller switching strategies for constrained mechanical systems with applications to the remote control over networks", IEEE CCA/ISIC/CACSD pp. 480-484, Sep. 2004.

2004/9 (Systems and Control)

Hisakazu Nakamura, Yuh Yamashita, Hirokazu Nishitani, " Lyapunov functions for homogeneous differential inclusions", 6th IFAC Symposium on Nonlinear Control Systems, pp.1001-1005, Sep. 2004.

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Hisakazu Nakamura, Nami Kidane, Yuh Yamashita, Hirokazu Nishitani, "Stabilization of a cascade-connected nonlinear system with an input constraint", 6th IFAC Symposium on Nonlinear Control Systems, pp.341-346, Sep. 2004.

2004/9 (Software Engineering)

Akito Monden, Antoine Monsifrot, Clark Thomborson, Security improvements for encrypted interpretation, 3rd Workshop on Application Specific Processors (WASP

2004), pp.19-26, Sep. 2004.

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Jun Ueda, Tsukasa Ogasawara, Global RAC-Measure for Redundancy Solution of Human-like Manipulator Mounted on Flexible Body, Proceedings of 2004 IEEE/RSJ International Conference on Intelligent Robots, SP2-H3, Sep. 2004.

2004/9 (Robotics)

Atsutoshi Ikeda, Yuichi Kurita, Jun Ueda, Yoshio Matsumoto, Tsukasa Ogasawara, Grip Force Control for an Elastic Finger using Vision-based Incipient Slip Feedback, Proceedings of 2004 IEEE/RSJ International Conference on Intelligent Robots, TP1-D3, Sep. 2004.

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Yoshihisa Adachi, Hiroyuki Tsunenari, Yoshio Matsumoto, Tsukasa Ogasawara: Guide Robot's Navigation Based on Attention Estimation Using Gaze Information, Proceedings of 2004 IEEE/RSJ International Conference on Intelligent Robots, TA2-F3, Sep. 2004.

2004/9 (Robotics)

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