

Publications

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2011

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- [2] Ch. Keimel, A. Redl, K. Diepold. Comparison of HDTV formats in a consumer environment, IS&T/SPIE Electronic Imaging 2011, Image Quality and System Performance VIII.

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- [3] U. Kirchmaier, S. Hawe, K. Diepold. Dynamical Information Fusion of Heterogeneous Sensors for 3D Tracking Using Particle Swarm Optimization. Information Fusion. Article in press.
- [4] A. Bannat, T. Bautze, M. Beetz, J. Blume, K. Diepold, C. Ertelt, F. Geiger, T. Gmeiner, T. Gyger, A. Knoll, C. Lau, C. Lenz, M. Ostgathe, G. Reinhart, W. Roesel, T. Ruehr, A. Schuboe, K. Shea, I. Stork genannt Wersborg, S. Stork, W. Tekouo, F. Wallhoff, M. Wiesbeck and M. F. Zaeh. Artificial Cognition in Production Systems. IEEE Trans. Automation Science and Engineering. 2010, to appear.
- [5] Florian Schreiner, Klaus Diepold. MPEG-A and its Open Access Application Format In: The Handbook of MPEG Applications: Standards in Practice. Editors: Marios Angelides, Harry Agius. John Wiley and Sons 2010, to appear.

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- [6] Christian Keimel, Michel Sarkis, Klaus Diepold. Improving the Visual Quality of AVC/H.264 by Combining It with Content Adaptive Depth Map Compression , 28th Picture Coding Symposium, PCS 2010.
- [7] Martin Rothbucher, David Kronmüller, Hao Shen, Klaus Diepold. Underdetermined Binaural 3D Sound Localization Algorithm for Simultaneous Active Sources , Audio Engineering Society Convention, 2010.
- [8] Christian Keimel, Julian Habigt, Tim Habigt, Martin Rothbucher, Klaus Diepold. Visual Quality of Current Coding Technologies at High Definition IPTV Bitrates IEEE International Workshop on Multimedia Signal Processing, MMSP 2010.
- [9] Martin Rothbucher, Tim Habigt, Johannes Feldmaier, Klaus Diepold. Integrating HRTF Sound Synthesis into Mumble IEEE International Workshop on Multimedia Signal Processing, 2010.
- [10] Lukas Lohaus, Thibault Bautze, Klaus Diepold, Ingo Stork. Evaluation of optical sensors for laser welding in a technical cognitive environment Laser Institute of America ICALEO Congress, 2010.

- [11] Rothbucher, Martin; Durkovic, Marko; Shen, Hao; Diepold, Klaus. HRTF Customization using Multiway Array Analysis 8/2010, Inproceedings Human Centered Robotic Systems Workshop (HCRS) 2010.
- [12] Walter Bamberger, Josef Schlittenlacher, Klaus Diepold. A Trust Model for Intervehicular Communication Based on Belief Theory. Proceedings of the Second IEEE International Conference on Social Computing (SocialCom2010), 8/2010. Best SocialCom Conference Paper Award
- [13] Christian Keimel, Klaus Diepold. On the use of reference monitors in subjective testing for HDTV. Second International Workshop on Quality of Multimedia Experience (QoMEX), 2010.
- [14] Michael Zwick, Florian Obermeier, Klaus Diepold. Predicting Cache Contention with Setvectors. Proceedings of the International MultiConference of Engineers and Computer Scientists, 2010.
- [15] Christian Keimel, Tobias Oelbaum, Klaus Diepold. Improving the prediction accuracy of video quality metrics. IEEE International Conference on Acoustics Speech and Signal Processing (ICASSP), 2010.
- [16] Simon Hawe, Ulrich Kirchmaier, Klaus Diepold. Analysis of a multimodal-camera and its advantages for autonomous vehicles. SPIE Electronical Imaging Image Processing: Machine Vision Applications III, Jan. 2010.
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