List of Scientific Publications

1. Books and Book Chapters


2. Journal Papers


Lampe, L., Schober, R., and **Enzner, G.**: „Coded continuous phase modulation with low-complexity non-coherent reception“, *IEEE Trans. on Communications*, vol. 50, no. 4, pp. 517-520, April 2002

3. Patents


Chinaev, A., Thüne, P., and Enzner, G., "Low-rate Farrow structure with discrete-lowpass and polynomial support for audio resampling in acoustic sensor networks", Proc. of European Signal Processing Conf. (EUSIPCO), Rome (Italy), Sept. 2018


Urbanietz, C. and Enzner, G.: “Binaural rendering for sound navigation and orientation”, IEEE 4th Virtual Reality Workshop Sonic Interactions for Virtual Environments, Reutlingen (Germany), March 2018


Thüne, P., **Enzner, G.**: „Trends in adaptive MISO system identification for multichannel audio reproduction and speech communication“, *Proc. of Intl. Symp. on Image and Signal Processing and Analysis (ISPA)*, Triest (Italy), Sept. 2013

Thüne, P., **Enzner, G.**: „Improved online identification of acoustic MISO systems based on separated input signal components“, *Proc. of IEEE Intl. Conf. on Acoustics, Speech, and Signal Processing (ICASSP)*, Vancouver (Canada), May 2013


Enzner, G.: „Fast range-acquisition of head-related impulse responses“, Jahrestagung der Deutschen Gesellschaft für Akustik (DAGA), Düsseldorf (Germany), March 2011

Malik, S. and Enzner, G.: "Continuous HRTF acquisition vs. HRTF interpolation for binaural rendering of dynamical auditory virtual environments", Proc. of ITG Fachtagung Sprachkommunikation, Bochum (Germany), October 2010


Enzner, G.: "Bayesian inference model for applications of time-varying acoustic system identification", *Proc. of European Signal Processing Conf. (EUSIPCO)*, Aalborg (Denmark), August 2010

Malik, S. and Enzner, G.: "Iterative learning of DFT-domain dynamical models subject to parameter variations", *Proc. of European Signal Processing Conf. (EUSIPCO)*, Aalborg (Denmark), August 2010


Antweiler, C. and Enzner, G.: “Perfect-sequence LMS for rapid continuous-azimuth acquisition of head-related impulse responses”, *Proc. of IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA)*, New Paltz (NY, USA), October 2009


Enzner, G. and Pauls, M.: „VDA Bewertung der modellbasierten Optimalfilterung für die Echounterdrückung in KFZ-Freisprechsystemen“, *Jahrestagung der Deutschen Gesellschaft für Akustik (DAGA)*, Dresden (Germany), March 2008


Enzner, G. and Vary, P.: „Concept for combined reduction of acoustic echo and coding noise in digital cellular networks“, *Proc. ITG Congress Speech Comm.*, Kiel (Germany), April 2006

Enzner, G. and Vary, P.: „New insights into the statistical signal model and the performance bounds of acoustic echo control“, Proc. of European Signal Processing Conf. (EUSIPCO), Antalya (Turkey), September 2005

Enzner, G., Mauler, D., and Vary, P.: „Realtime performance of acoustic echo canceler and postfilter for residual echo suppression in the car environment“, Congres Francais d'Acoustique (CFA) und Jahrestagung der Deutschen Gesellschaft für Akustik (DAGA), Strasbourg (France), March 2004


Enzner, G.: „Hands-free communication: A unified concept of acoustic echo cancellation and residual echo suppression“, Jahrestagung der Deutschen Gesellschaft für Akustik (DAGA), Aachen (Germany), März 2003


5. Additional Presentations (since 2007)


Enzner, G.: “SMART GRID”, Habilitation Colloquium in the Faculty of Electrical Engineering and Information Technology, Ruhr-University Bochum, July 2013


Enzner, G.: “Towards continuous measurement of head-related impulse responses”, Presentation in ITG-Fachgruppe Algorithmen für die Signalverarbeitung, Deutsche Telekom Laboratories, Berlin, April 2011

Enzner, G., and Jahnke, I.: “Being 3.0 (Mensch 3.0) – Verantwortung in der digitalen Welt”, Presentation in Global Young Faculty (Mercator Foundation, University Alliance Metropolis Ruhr) Midterm Meeting, Essen Philharmonie, June 2010


Enzner, G.: “State-space frequency-domain adaptive filtering in hands-free audio communication”, Presentation in ITG-Fachgruppe Algorithmen für die Signalverarbeitung, ETH, Zürich (Switzerland), March 2009
Enzner, G.: “Continuous-azimuth acquisition of HRIRs using adaptive filtering techniques” and “Acoustic state-space modelling for adaptive echo cancellation in hands-free telephones”, Invited Lectures in Spatial Sound Modeling, EU-Mobility Teaching Assignment to Helsinki University of Technology, April 2008

Enzner, G.: “A model-based optimum filtering approach to acoustic echo control”, Inauguration lecture to the Faculty of Electrical Engineering and Information Technology, Ruhr-University Bochum, October 2007