List of Scientific Publications

1. Books and Book Chapters


2. Journal Papers


3. Patents


**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

Schmid, D., Thüne, P., and **Enzner, G.**: “A real-time speech dereverberation environment based on multichannel parametric room equalization”, *Proc. of ITG Fachtagung Sprachkommunikation*, Bochum (Germany), October 2010

Schmid, D. and **Enzner, G.**: “A parametric least-squares approximation for multichannel equalization of room acoustics”, *Proc. of Intl. Workshop on Acoustic Echo and Noise Control (IWAENC)*, Tel-Aviv (Israel), September 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

Malik, S. and **Enzner, G.**: "Online maximum-likelihood learning of time-varying dynamical models in the block-frequency domain", *Proc. of IEEE Intl. Conf. on Acoustics, Speech, and Signal Processing (ICASSP)*, Dallas (TX, USA), March 2010

**Enzner, G.**: “3D-continuous-azimuth acquisition of head-related impulse responses using multi-channel adaptive filtering”, *Proc. of IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA)*, New Paltz (NY, USA), October 2009
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. of ITG Fachtagung Sprachkommunikation, 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 Français 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. Selected Special 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