

Publikationer / Publications

- 2006** Lars G. Johansen: *LPC i multimedia kompression*, IHA undervisningsnote (foreløbig version), forår 2006
- Lars G. Johansen: *Egenskaber ved MLS i måling af overføringsfunktioner*, IHA undervisningsnote, udkommer vinter 2006/2007
- 2005** Lars G. Johansen: *Tanker vedrørende IHA og ingeniøruddannelse i Århus*, internt notat, Ingeniørhøjskolen i Århus, november 2005
- Lars G. Johansen: *Tanker vedrørende SPMM fagsøjlels virke og synlighed*, internt notat, Ingeniørhøjskolen i Århus, december 2005
- 2004** Lars G. Johansen: *Project-Organised and Problem-Based Learning - a guide for the M.Sc. in Engineering Programmes at Aalborg University*, to be published at Aalborg University Press 2005
- Lars G. Johansen: *Handling Study Groups and Team Working - a guide for the M.Sc. in Engineering Programmes at Aalborg University*, to be published at Aalborg University Press 2005
- Lars G. Johansen: *Academic methodology and Scientific Communication - a guide for the M.Sc. in Engineering Programmes at Aalborg University*, to be published at Aalborg University Press 2005
- 2003** Per Rubak and Lars G. Johansen: *Coloration in natural and artificial room impulse responses*, proceedings of the Audio Eng. Soc. 23rd Int. Conf., Copenhagen, May 2003
- Lars G. Johansen: *Correcting Room Acoustics using Digital Signal Processing - Measurements, Surveys, designs, and Evaluations*, revised and published Ph.D. dissertation (ISBN: 87-90834-31-3), Aalborg University, March 2003
- 2002** Lars G. Johansen: *Det globale positioneringssystem GPS - en introduktion til matematiske aspekter*, (in Danish), Nordisk Matematisk Tidsskrift, NORMAT, Årgang 50, Hefte 3-4, 2002
- Per Rubak and Lars G. Johansen: *A DSP based reverberator with pseudo-random reverberation tail*, proceedings of Baltic Nordic Acoustical Meeting, Copenhagen, August 2002
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- 2001** Lars G. Johansen and Per Rubak: *Listening test results from a new loudspeaker / room correction system*, proceedings of Audio Eng. Soc. 110th Conv., Amsterdam, May 2001

- 2000** Lars G. Johansen and Per Rubak, *A new framework for unified analysis and evaluation of loudspeakers and listening rooms*, proceedings of Audio Eng. Soc. 108th Conv., Paris, Feb 2000
- Per Rubak and Lars G. Johansen, *Design and evaluation of digital filters applied to loudspeaker/room equalization*, proceedings of Audio Eng. Soc. 108th Conv., Paris, Feb 2000
- 1999** Lars G. Johansen and Per Rubak: *A new software platform for room impulse response analysis*, proceedings of Internoise99, Fort Lauderdale, Dec. 1999
- Per Rubak and Lars G. Johansen: *Active hearing protector with improved localization performance*, proceedings of Internoise99, Fort Lauderdale, Dec. 1999
- Lars G. Johansen and Per Rubak: *Target functions and preprocessing techniques in digital equalisation design*, proceedings of Audio Eng. Soc. 106th Conv., München, May 1999
- Per Rubak and Lars G. Johansen: *Artificial reverberation based on a pseudo-random impulse response - part II*, proceedings of Audio Eng. Soc. 106th Conv., München, May 1999
- Ole Kirkeby, Per Rubak, Lars G. Johansen, and Philip A. Nelson: *Implementation of cross-talk cancellation networks using warped FIR filters*, proceedings of Audio Eng. Soc. 16th Int. Conference, Rovaniemi, April 1999
- 1998** Lars G. Johansen and Per Rubak: *Equalising and control of sound fields: A novel approach by warped FIR filters*, proceedings of Internoise98, Christchurch, Nov. 1998
- Per Rubak and Lars G. Johansen: *Optimization of the FXLMS algorithm in an active hearing protector*, proceedings of the Internoise98, Christchurch, Nov. 1998
- Lars G. Johansen and Per Rubak: *On the equalisation of loudspeakers in closed rooms*, proceedings of Nordic Acoustical Meeting, Stockholm, Sep. 1998
- Per Rubak and Lars G. Johansen: *Psychoacoustic evaluation of synthetic impulse responses*, proceedings of Nordic Acoustical Meeting, Stockholm, Sep. 1998
- Lars G. Johansen and Per Rubak: *Application of the FXLMS algorithm in active noise reduction*, proceedings of NORSIG98, Vigsø, June 1998
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- 1997** Per Rubak and Lars G. Johansen: *Active noise cancelling in headsets: Limitations caused by non-minimum phase transfer function of the cancelling sound source*, proceedings of Active Control of Sound and Vibration, Budapest, Aug. 1997
- Lars G. Johansen and Per Rubak: *Investigating speech quality by homomorphic deconvolution*, proceedings of ECSAP97, Praque, June 1997
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Lars G. Johansen: Anvendt lineær algebra, undervisningsnote, AAU, Sept. 1996

Lars G. Johansen: Signalestimation i støjfyldte omgivelser, undervisningsnote, AAU, Sept. 1996