

**AES 45th International Conference Planner (version 25.1.2012)**

		Thursday 1.3.2012	Friday 2.3.2012	Saturday 3.3.2012	Sunday 4.3.2012		
		Sessions in Aalto University	Sessions in Auditorium, Dipoli	Sessions in Auditorium, Dipoli	Sessions in Auditorium, Dipoli		
900			Invited <i>Anssi Klupari</i> : Time-frequency processing of music signals	Invited <i>Karlheinz Brandenburg</i> : 35 years of time-frequency domain based audio coding	<i>Bliem et al.</i> : A Robust Audio Watermarking System for Acoustic Channels	900	
925			TF-processing of audio	<i>Battenberg et al.</i> : Live Drum Separation Using Probabilistic Spectral Clustering Based on the Itakura-Saito Distance	<i>Mendonca et al.</i> : On the Adaptation to Non-individualised HRTF Auralisations: A Longitudinal Study	<i>Sirdey et al.</i> : ESPRIT in Gabor frames	925
950				<i>Mazhar et al.</i> : Automatic Scoring of Guitar Chords	<b>Coffee break</b>	<i>Hamilton et al.</i> : Comparisons of Parameter Estimation Methods for an Exponential Polynomial Sound Signal Model	950
1015			<b>Coffee break</b>	<b>Coffee break</b>	<b>Coffee break</b>	<b>Coffee break</b>	1015
1040			TF-processing of audio	<i>Jylhä et al.</i> : Sonic Handprints: Person Identification with Hand Clapping Sounds by a Model-Based Method	<i>Cobos et al.</i> : On the Use of Small Microphone Arrays for Wave Field Synthesis Auralization	<i>Wefers et al.</i> : Optimal filter partitions for non-uniformly partitioned convolution	1040
1105				<i>Härmä</i> : Detection of audio events by boosted learning of local time-frequency patterns	<i>Fink et al.</i> : Feasibility of Virtual Auditory Display Customization through Principal Component Modeling	<i>Murakami et al.</i> : Generation Mechanisms of Two-tone Suppression using Cochlear Model	1105
1130				<i>Shenoy et al.</i> : Spectral Zero-Crossings Alone Enable Reliable Estimation of Interaural Time Difference	<i>Pihlajamäki et al.</i> : Projecting Simulated or Recorded Spatial Sound onto 3D-Surfaces	<i>Takamäki et al.</i> : A Binaural Auditory Model for the Evaluation of Reproduced Stereophonic Sound	1130
1155					<i>Franck et al.</i> : Efficient Rendering of Directional Sound Sources in Wave Field Synthesis	Closing	1155
1220			<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	1220
1245							1245
1310			<b>Registration and Academic demonstrations</b>	<b>Outdoor social event</b> winter sports and games on sea ice and/or on sea shore			1310
1330					Psychoaoustics and hearing	<i>Ahonen et al.</i> : Parametric spatial sound processing applied to bilateral hearing aids	1330
1355						<i>Siederburg et al.</i> : Audio Denoising by Generalized Time-Frequency Thresholding	1355
1420						<i>Primavera et al.</i> : Audio Morphing for Percussive Hybrid Sound Generation	1420
1445						<i>de Paiva et al.</i> : Economical modeling of high-order nonlinear audio systems using swept-sine and principal component analysis	1445
1510				<b>Coffee break</b>		1510	
1535				Invited <i>Torsten Dau</i> : Human auditory signal processing in complex acoustic environments		1535	
1600		<b>Opening (15 min)</b>	TF-representation of audio	<i>Fujinoki et al.</i> : Automated Evaluation for Button Sounds from Wavelet Based Features	<i>Rämö et al.</i> : Perceptual Frequency Response Simulator for Music in Noisy Environments	1600	
1625	Tutorial	<b>Bernd Eder:</b> Mathematic background for time-frequency processing of audio		<i>Sreenivasa et al.</i> : Fast Implementation of Audio Crosstalk Cancellation on DSP processors	<i>Prodi et al.</i> : Listening efficiency testing	1625	
1650				<i>Gnann et al.</i> : Multiresolution STFT Phase Estimation with Mutual Initialization	<i>Sciabica et al.</i> : Dissimilarity test modelling by time-frequency representation applied to engine sound	1650	
1715				<b>Coffee break</b>		1715	
1740				<i>Wakisaga et al.</i> : Generalized MMSE STSA Estimator with ICA-Based Noise Estimation and Speech Prior Identification for Binaural Hearing Aids		1740	
1805		<b>Pulkki, Välimäki, and Lokki:</b> Audio and Acoustics research at Aalto University	<i>Yaki et al.</i> : Music Signal Separation by orthogonality and maximum-distance constrained nonnegative matrix factorization with target signal information		1805		
1830			<i>Vilkamo et al.</i> : Optimal Mixing Matrices and Usage of Decorrelators in Spatial Audio Processing		1830		
1900		<b>Welcome dinner</b>	<i>Olivero et al.</i> : Sound Morphing Strategies based on alterations of Time-Frequency representations by Gabor Multipliers		1900		
1930				<b>Banquet at Hotel Linna, downtown Helsinki</b> Bus transfer from Radisson Blu, Espoo		1930	
2000						2000	
2030						2030	
2100			<b>Poster session and finger food dinner</b> After the session bus transfer to downtown Helsinki			2100	
2130						2130	
2200						2200	
2230						2230	
2300						2300	

Sponsors:



Posters	<i>Necciari et al.</i> : Perceptual Optimization of Audio Representations Based on Time-Frequency Masking Data for Maximally-Compact Stimuli	Posters	<i>van Nimwegen et al.</i> : Sociability Evaluation of a Prototype Audio Spatialisation System for Teleconferencing and Group Communication Tasks	Posters	<i>Llerena et al.</i> : Comparing two methods based on time-frequency analysis to estimate the instantaneous mixing matrix in blind audio source separation
	<i>Timoney et al.</i> : A homomorphic interpretation of the complex FM expansion		<i>Primavera et al.</i> : Mixed Time-Frequency approach for Multipoint Room Response Equalization		<i>Daniel et al.</i> : Parametric Spatial Audio Coding Based on Spatial Auditory Blurring
	<i>Takanen et al.</i> : Audibility of coloration artifacts in HRTF filter designs		<i>Nakanishi et al.</i> : Modeling system for the cocktail party effect		
	<i>Gabrielli et al.</i> : Ibrida: a new DWT-domain sound hybridization tool		<i>Ayllon et al.</i> : Three-Dimensional Microphone Array for Speech Enhancement in Hands-Free Systems for Cars		