



Session : **Recent Advances in Restoration of Audio (SPECIAL SESSION)**

Time: 08:30 – 10:30

Chairs:

*James Hopgood , University of Edinburgh ;
Simon Godsill , University of Cambridge*



PROBABILISTIC PHASE VOCODER AND ITS APPLICATION TO INTERPOLATION OF MISSING VALUES IN AUDIO SIGNALS ([Abstract](#))

Ali Taylan Cemgil
Simon J. Godsill

(University of Cambridge, United Kingdom)
(University of Cambridge, United Kingdom)



MODELS FOR BLIND SPEECH DEREVERBERATION: A SUBBAND ALL-POLE FILTERED BLOCK STATIONARY AUTOREGRESSIVE PROCESS ([Abstract](#))

James Hopgood

(The University of Edinburgh, United Kingdom)

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KALMAN FILTERING BASED NOISE POWER SPECTRAL DENSITY ESTIMATION FOR SPEECH ENHANCEMENT ([Abstract](#))

Ivo Batina (TU Delft, Netherlands)
Jesper Jensen (TU Delft, Netherlands)
Richard Heusdens (TU Delft, Netherlands)



A NEW METHOD FOR SEPARATION OF SPEECH SIGNALS IN CONVOLUTIVE MIXTURES ([Abstract](#))

Mahmood Ferdosizadeh (Sharif University of Technology, Iran)
Massoud Babaie-Zadeh (Sharif University of Technology, Iran)
Farrokh A. Marvasti (Sharif University of Technology, Iran)

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BLOCK-BASED SPEECH BANDWIDTH EXTENSION SYSTEM WITH SEPERATED ENVELOPE ENERGY RATIO ESTIMATION ([Abstract](#))

Sheng Yao (City University of Hong Kong, Hong Kong)
Cheung-Fat Chan (City University of Hong Kong, Hong Kong)



A SINGLE-MICROPHONE APPROACH FOR SPEECH SIGNAL DEREVERBERATION ([Abstract](#))

Fernando Pacheco (Federal University of Santa Catarina, Brazil)
Rui Seara (Federal University of Santa Catarina, Brazil)

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