



Session : **Speech Enhancement and Noise Reduction**

Time: 10:50 – 12:50



A NOVEL BWE SCHEME BASED ON SPECTRAL PEAKS IN G.729 COMPRESSED DOMAIN ([Abstract](#))

Murali Mohan
Deshpande

(Indian Institute of Science, India)



NOISE POWER SPECTRAL DENSITY ESTIMATION FROM NOISY SPEECH USING ON-LINE TRAINED HIDDEN MARKOV MODELS ([Abstract](#))

Karsten Vandborg
Sørensen

(Aalborg University, Denmark)

Søren Vang Andersen (Aalborg University, Denmark)

[Back](#)

[Menu](#)

[Next](#)



Session : **Speech Enhancement and Noise Reduction**

Time: 10:50 – 12:50



THE DISTORTING EFFECTS OF SCBA EQUIPMENT ON SPEECH AND ALGORITHMS FOR MITIGATION (Abstract)

William Kushner

(Motorola, Motorola Labs, United States)

Michelle Harton

(Motorola, Motorola Labs, United States)

Robert Novorita

(Motorola CGISS Advanced Technology, United States)



SMOOTHED SUBSPACE BASED NOISE SUPPRESSION WITH APPLICATION TO SPEECH ENHANCEMENT (Abstract)

Jesper Jensen

(Technical University of Delft, Netherlands)

[Back](#)

[Menu](#)

[Next](#)



Session : **Speech Enhancement and Noise Reduction**

Time: 10:50 – 12:50



AN OVERCOMPLETE WDFR SINUSOIDAL BASIS FOR PERCEPTUALLY MOTIVATED SPEECH ENHANCEMENT ([Abstract](#))

Adam Borowicz (Bialystok Technical University, Poland)

Alexander Petrovsky (Bialystok Technical University, Poland)



ENHANCED OUTPUT-BASED PERCEPTUAL MEASURE FOR PREDICTING SUBJECTIVE QUALITY OF SPEECH ([Abstract](#))

Abdulhussain Mahdi (University of Limerick, Ireland)

Dorel Picovici (University of Limerick, Ireland)

[Back](#)

[Menu](#)

[Next](#)



Session : **Speech Enhancement and Noise Reduction**

Time: 10:50 – 12:50



BARGE-IN FREE SPOKEN DIALOGUE INTERFACE USING NULLSPACE-BASED SOUND FIELD CONTROL AND BEAMFORMING (Abstract)

Shigeki Miyabe (Nara Institute of Science and Technology, Japan)
Hiroshi Saruwatari (Nara Institute of Science and Technology, Japan)
Kiyohiro Shikano (Nara Institute of Science and Technology, Japan)
Yosuke Tatekura (Shizuoka University, Japan)



CLASSIFIED HIGHBAND EXCITATION FOR BANDWIDTH EXTENSION OF TELEPHONY SIGNALS (Abstract)

Yasheng Qian (McGill University, Canada)
Peter Kabal (McGill University, Canada)

[Back](#)

[Menu](#)

[Next](#)



Session : **Speech Enhancement and Noise Reduction**

Time: 10:50 – 12:50



ON THE FUNDAMENTAL LIMITATIONS OF SPECTRAL SUBTRACTION: AN ASSESSMENT BY AUTOMATIC SPEECH RECOGNITION ([Abstract](#))

Nicholas W. D. Evans (University of Wales Swansea, United Kingdom)

John S. D. Mason (University of Wales Swansea, United Kingdom)

Wei M. Liu (University of Wales Swansea, United Kingdom)

Benoît Fauve (University of Wales Swansea, United Kingdom)



FEATURE COMPENSATION WITH SECONDARY SENSOR MEASUREMENTS FOR ROBUST SPEECH RECOGNITION ([Abstract](#))

Bhiksha Raj (Mitsubishi Electric Research Labs, United States)

Rita Singh (Haikya Corp., United States)

[Back](#)

[Menu](#)

[Next](#)



Session : **Speech Enhancement and Noise Reduction**

Time: 10:50 – 12:50



A NEW ITERATIVE SPEECH ENHANCEMENT SCHEME BASED ON KALMAN FILTERING ([Abstract](#))

Chunjian Li (Aalborg University, Denmark)
Søren Vang Andersen (Aalborg University, Denmark)



BANDWIDTH EXTENSION OF TELEPHONE SPEECH USING FRAME-BASED EXCITATION AND ROBUST FEATURES ([Abstract](#))

Ismail Uysal (University of Florida, United States)
Harsha Sathyendra (University of Florida, United States)
John G. Harris (University of Florida, United States)