



Session : **Nonlinear Methods in Signal Processing**

Time: 15:10 – 16:30



A FAST ALGORITHM FOR DIGITAL PRE-DISTORTION OF NONLINEAR POWER AMPLIFIERS

(Abstract)

Ernst Aschbacher

(Vienna University of Technology, Austria)

Holger Arthaber

(Vienna University of Technology, Austria)

Markus Rupp

(Vienna University of Technology, Austria)



ROBUST MATCHED FILTERING IN THE FEATURE SPACE (Abstract)

Ignacio Santamaria

(University of Cantabria, Spain)

Deniz Erdogmus

(Oregon Health and Science University, United States)

Rati Agrawal

(University of Florida, United States)

Jose C. Principe

(University of Florida, United States)

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PARAMETRIZATION OF INHARMONIC BIRD SOUNDS FOR AUTOMATIC RECOGNITION ([Abstract](#))

Seppo Fagerlund

(Helsinki University of Technology, Finland)

Aki Härmä

(Philips Research, Netherlands)



DETECTION OF NONLINEARLY DISTORTED SIGNALS USING MUTUAL INFORMATION ([Abstract](#))

Umut Ozertem

(OHSU, United States)

Deniz Erdogan

(OHSU, United States)

Ignacio Santamaria

(University of Cantabria, Spain)

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ASYMPTOTICALLY OPTIMAL MAXIMUM-LIKELIHOOD ESTIMATION OF A CLASS OF CHAOTIC SIGNALS USING THE VITERBI ALGORITHM ([Abstract](#))

David Luengo (Universidad Carlos III de Madrid, Spain)
Ignacio Santamaria (Universidad de Cantabria, Spain)
Luis Vielva (Universidad de Cantabria, Spain)



IMPROVING THE INITIALISATION AND RELIABILITY OF THE SELF ORGANISING OSCILLATOR NETWORK ([Abstract](#))

Sameh Salem (The University of Liverpool, United Kingdom)
Lindsay Jack (The University of Liverpool, United Kingdom)
Asoke K. Nandi (The University of Liverpool, United Kingdom)