Session: Signal processing  
Date: Wednesday, 15 March 2006  
Time: 10:15 – 12:15

Chair: Adib A. , IS–Rabat, Morocco

AUTOMATIC SIGNAL SEGMENTATION BASED ON ABRUPT CHANGE DETECTION FOR POWER SYSTEMS APPLICATIONS (Abstract)  
Abhisek Ukil (Tshwane University of Technology, South Africa)  
Rastko Zivanovic (Tshwane University of Technology, South Africa)

A METHOD FOR CLASSIFYING EMOTION OF TEXT BASED ON EMOTIONAL DICTIONARIES FOR EMOTIONAL READING (Abstract)  
Futoshi Sugimoto (Toyo University, Japan)  
Masahide Yoneyama (Toyo University, Japan)

BLIND IDENTIFICATION OF NOISY UNDER–DETERMINED MIXTURES BASED ON MULTIPLE ORDER DERIVATIVES OF THE CHARACTERISTIC FUNCTION (Abstract)  
Myriam Rajih (I3S – University of Nice Sophia–Antipolis, France)  
Pierre Comon (I3S – CNRS, France)
### DATA-AIDED JOINT ESTIMATION OF PHASE OFFSET AND DOPPLER PARAMETERS USING AN EXTENDED KALMAN FILTER

**Abstract**

Pakorn Ubolkosold (Center for Sensorsystem, Germany)
Franck Tchere (Center for Sensorsystem, Germany)
Stefan Knedlik (Center for Sensorsystem, Germany)
Otmar Loffeld (Center for Sensorsystem, Germany)

### THE MLP NEURAL NETWORKS FOR PREDICTING WIND SPEED

**Abstract**

Radouane Iqdour (Faculty of Sciences Cadi Ayyad University, Morocco)
Abdelouhab Zeroual (Faculty of Sciences Cadi Ayyad University, Morocco)
PARAMETRIC IDENTIFICATION OF NON LINEAR SYSTEMS USING HIGHER ORDER STATISTICS AND COMMUNICATION SIGNALS (Abstract)

Said Safi (National School of Applied Sciences, Tangier, Morocco)
Jilali Antari (Faculty of Sciences, Cadi Ayyad University, Marrakesh, Morocco)
Abdelouhab Zeroual (Faculty of Sciences, Cadi Ayyad University, Marrakesh, Morocco)

AN IMPROVED PRUNING CONDITION FOR TREE MACHINES AND APPLICATIONS TO RANDOM-ACCESS CODING (Abstract)

Gergely Korodi (Tampere University of Technology, Finland)
Ioan Tabus (Tampere University of Technology, Finland)
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BLIND SOURCE SEPARATION USING PENALIZED MUTUAL INFORMATION CRITERION AND
MINIMAL DISTORTION PRINCIPLE (Abstract)
Mohammed El Rhabi (CERMICS–ENPC, France)
Hassan Fenniri (DéCom–CReSTIC Laboratory, University of Reims, France)
Georges Delaunay (DéCom–CReSTIC Laboratory, University of Reims, France)

ADC LINEARITY TESTING USING LOW LINEARITY SIGNALS (Abstract)
Ondrej Sajdl (BUT Brno, Czech Republic)
Radimir Vrba (BUT Brno, Czech Republic)
USING IMPACT ACOUSTIC TIME–FREQUENCY PATTERNS FOR DAMAGED WHEAT KERNEL SEPARATION (Abstract)

Nuri Firat Ince (University of Minnesota, USA)
Ibrahim Onaran (Bilkent University, Turkey)
Ahmed Tewfik (University of Minnesota, USA)
Tom Pearson (Department of Agriculture – Agricultural Research Service, USA)
A. Enis Cetin (Bilkent University, Turkey)

BLIND SEPARATION OF UNDERWATER ACOUSTIC SIGNALS (Abstract)

Nabih Benchekroun (ENSIETA, France)
Ali Mansour (ENSIETA, France)