



Session : **Multiresolution and Time–Frequency Processing**

Time: 16:50 – 18:10



MULTIPATH EFFECT MITIGATION IN LPTV–BASED MULTIPLE ACCESS SYSTEM ([Abstract](#))

Bogdan Cristea (ENSEEIH/TeSA, France)

Daniel Roviras (ENSEEIH/TeSA, France)

Benoit Escrig (ENSEEIH/TeSA, France)



WEIGHTED AVERAGE INSTANTANEOUS FREQUENCY BASED ON ([Abstract](#))

Desmond McLernon (The University of Leeds, United Kingdom)

Sedigheh Ghofrani (Islamic Azad University, Iran)

Ahmad Ayatollahi (Iran University of Science and Technology, Iran)



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 **ALGORITHM FOR SIGNAL DECOMPOSITION BY USING THE S–METHOD ([Abstract](#))**

Ljubisa Stankovic (University of Montenegro, Yugoslavia)
Thayananthan (Defence Research and Development, Canada)
Thayaparan
Milos Dakovic (University of Montenegro, Yugoslavia)

 **A NEW APPROACH TO MULTICHANNEL AUDIO SIGNAL ACQUISITION AND SUBBAND PROCESSING ([Abstract](#))**

Antonio Satue–Villar (Escola Universitària Politècnica de Mataró, Spain)
Juan A. Fernández (Universitat Politècnica de Catalunya, Spain)
Rubio



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A QUANTITATIVE COMPARISON OF NON–PARAMETRIC TIME–FREQUENCY REPRESENTATIONS

(Abstract)

Luke Rankine (QUT, Australia)
Nathan Stevenson (QUT, Australia)
Mostefa Mesbah (QUT, Australia)
Boualem Boashash (QUT, Australia)



A TWO PARALLEL EXTENDED KALMAN FILTERING ALGORITHM FOR THE ESTIMATION OF CHIRP SIGNALS IN NON–GAUSSIAN NOISE (Abstract)

Mounir Djeddi (Laboratoire des Signaux et Systemes, CNRS / Supelec, France)
Messaoud Benidir (Laboratoire des Signaux et Systemes, CNRS / Supelec, France)

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ANALYSIS BANKS, SYNTHESIS BANKS, LPTV FILTERS: PROPOSITION OF AN EQUIVALENCE DEFINITION APPLICATION TO THE DESIGN OF INVERTIBLE LPTV FILTERS ([Abstract](#))

Wilfried Chauvet (TéSA, France)
Bernard Lacaze (TéSA, France)
Daniel Roviras (TéSA, France)
Alban Duverdiér (CNES, France)



THE USE OF WAVELET PACKETS FOR EVENT DETECTION ([Abstract](#))

Marwa Chendeb (UTT, France)
Mohamad Khalil (Lebanese University, Lebanon)
Jacques Duchêne (UTT, France)

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ORTHONORMAL NON–UNIFORM B–SPLINE SCALING AND WAVELET BASES ON NON–EQUALLY SPACED KNOT SEQUENCE FOR MULTIREOLUTION SIGNAL APPROXIMATIONS ([Abstract](#))

Najat Chihab (L2TI, Institut Galilee, Université Paris 13, France)

Anissa Zergainoh (L2TI, Institut Galilee, Université Paris 13, France)

Jean–Pierre Astruc (L2TI, Institut Galilee, Université Paris 13, France)

Pierre Duhamel (LSS, Supélec, France)

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