



## Session : **Signal Processing for Communications**

Time: 15:10 – 16:30



### **PLM SEQUENCES FOR THE PERFORMANCE OPTIMIZATION OF LINEAR MULTIUSER DETECTORS** **(Abstract)**

Mourad Khanfouci

(Laboratoire des Signaux et Systèmes, France)

Sylvie Marcos

(Laboratoire des Signaux et Systèmes, France)



### **MULTI-CHANNEL ADAPTIVE BIT ALLOCATION AND ERROR CONTROL FOR VIDEO TRANSMISSION OVER WIRELESS NETWORKS (Abstract)**

Maria Manuela Pereira

(Universidade da Beira Interior, Portugal)

Marc Antonini

(CNRS-I3S, France)

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### **ITERATIVE SOURCE CODED MODULATION: EXIT CHARTS, COMPLEXITY COMPARISONS AND NEW INDEX ASSIGNMENTS ([Abstract](#))**

Thorsten Clevorn (RWTH Aachen University, Germany)

Peter Vary (RWTH Aachen University, Germany)



### **UWB PRECISION GEOLOCATION USING FFT INTERPOLATION ([Abstract](#))**

Kutluyil Dogancay (University of South Australia, Australia)

A. Rahim Leyman (Institute for Infocomm Research, Singapore)

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### **AN IMPROVED DOPPLER DIVERSITY TECHNIQUE FOR OFDM SYSTEMS IN TIME-VARYING MULTIPATH FADING CHANNELS ([Abstract](#))**

Hyungjoon Song (Yonsei University, South Korea)

Daesik Hong (Yonsei University, South Korea)



### **PERFORMANCE DEGRADATION DUE TO BLINDNESS IN SEPARATION OF MIMO-FIR SYSTEMS OVER COST207 CHANNELS ([Abstract](#))**

Sara Sandberg (Luleå University of Technology, Sweden)

James P. LeBlanc (Luleå University of Technology, Sweden)

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### **PERFORMANCES OF TURBO SAGE BASED EQUALIZER FOR MULTIUSER MULTICARRIER SPACE TIME BLOCK CODED SYSTEM ([Abstract](#))**

Guillaume Ferré (GESTE/ENSIL, France)

Mohamad Jamalulli (GESTE/ENSIL, France)  
Syed

Vahid Meghdadi (GESTE/ENSIL, France)

Cances Jean Pierre (GESTE/ENSIL, France)

Jean Michel Dumas (GESTE/ENSIL, France)



### **FACTOR ANALYSIS OF NETWORK FLOW THROUGHPUT MEASUREMENTS FOR INFERRING CONGESTION SHARING ([Abstract](#))**

Dogu Arifler (Eastern Mediterranean University, Turkey)

Brian Evans (The University of Texas at Austin, United States)

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### **NETWORK ADAPTIVE RATE CONTROL FOR TRANSCODER ([Abstract](#))**

Takayasu Takaoka (Waseda University, Japan)

Isao Nagayoshi (Media Glue Corp., Japan)

Tsuyoshi Hanamura (Media Glue Corp., Japan)

Hideyoshi Tominaga (Waseda University, Japan)



### **OPTIMUM SPECTRAL SHAPING FOR DISCRETE MULTITONE DEMODULATION ([Abstract](#))**

Tomasz Twardowski (AGH University of Science and Technology, Poland)

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 **OPTIMUM CHAOTIC QUANTIZED SEQUENCES FOR ASYNCHRONOUS DS-CDMA SYSTEM**  
**(Abstract)**

Calin Vladeanu ("Politehnica" University of Bucharest, Romania)

 **PULSE SHAPE DESIGN USING ITERATIVE PROJECTIONS (Abstract)**

H. Emre Guven (Aselsan Inc., Turkey)  
A. Enis Cetin (Bilkent University, Turkey)

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### **SIMULATION OF A DIGITAL COMMUNICATION SYSTEM ([Abstract](#))**

Alpaslan Gungor (Turk Telekom A.S., Turkey)  
Feza Arikan (Hacattepe University, Turkey)  
Orhan Arikan (Bilkent University, Turkey)



### **ANALYSIS OF TIMING OFFSET ESTIMATION SCHEMES FOR UWB SIGNALS ([Abstract](#))**

Marina Marjanovic (Polytechnic University of Madrid, Spain)  
José Manuel Páez (Polytechnic University of Madrid, Spain)  
Borrallo