



Session : **NEWCOM Session on the Advanced Signal Processing Algorithms for Wireless Communications (I) (SPECIAL SESSION)**

Time: 08:30 – 10:30

Chairs:

*Erdal Panayirci , Isik University ;
Hakan Ali Cirpan , Istanbul University*



SYNCHRONIZATION OF ENERGY CAPTURE RECEIVERS FOR UWB APPLICATIONS ([Abstract](#))

Cecilia Carbonelli (University of Pisa, Italy)
Umberto Mengali (University of Pisa, Italy)



A FACTOR GRAPH APPROACH TO DESIGN CLOSE-TO-OPTIMAL RECEIVERS IN THE PRESENCE OF A TIMING UNCERTAINTY. ([Abstract](#))

Cédric Herzet (Université catholique de Louvain, Belgium)
Luc Vandendorpe (Université catholique de Louvain, Belgium)
Valéry Ramon (Université catholique de Louvain, Belgium)

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CODE-AIDED JOINT CHANNEL AND FREQUENCY ESTIMATION FOR A ST-BICM MULTI-USER DS-CDMA SYSTEM ([Abstract](#))

Mamoun Guenach (Ghent university, Belgium)
Frederik Simoens (Ghent university, Belgium)
Henk Wymeersch (Ghent university, Belgium)
Marc Moeneclaey (Ghent university, Belgium)



PEAK POWER REDUCTION IN OFDM SYSTEMS USING DYNAMIC CONSTELLATION SHAPING ([Abstract](#))

Serdar Sezginer (Supélec, France)
Hikmet Sari (Supélec, France)

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OPTIMAL DESIGN OF NONCOHERENT CAYLEY UNITARY SPACE-TIME CODES ([Abstract](#))

Jibing Wang (Qualcomm Inc., United States)
Xiaodong Wang (Columbia University, United States)
Mohammad Madihian (NEC Labs, United States)



A SEQUENTIAL MONTE CARLO METHOD FOR BLIND PHASE NOISE ESTIMATION AND DATA DETECTION ([Abstract](#))

Erdal Panayirci (Isik University, Turkey)
Hakan Ali Cirpan (Istanbul University, Turkey)
Marc Moeneclaey (University of Gent, Belgium)

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