



**Session :**      **Performance Analysis, Optimization and Limits in Communications**

**Time: 08:30 – 10:30**

<b>Chair:</b>	<i>Umberto Mengali , University of Pisa</i>
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 **POWER RATIO DEFINITIONS AND ANALYSIS IN SINGLE CARRIER MODULATIONS ([Abstract](#))**

Yves Louet                      (SUPELEC, France)  
Jacques Palicot                (SUPELEC, France)

 **OPTIMAL FAULT-TOLERANT EVENT DETECTION IN WIRELESS SENSOR NETWORKS ([Abstract](#))**

Xuanwen Luo                    (Wayne State University, United States)  
Ming Dong                      (Wayne State University, United States)  
Yinlun Huang                  (Wayne State University, United States)

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**INVESTIGATION OF THE CHANNEL ESTIMATION ERROR ON THE MIMO SYSTEM PERFORMANCE**  
**(Abstract)**

Lamia Berriche                      (Ecole Nationale Supérieure des Télécommunications de Paris, France)  
Karim Abed-Meraim                (Ecole Nationale Supérieure des Télécommunications de Paris, France)  
Jean-Claude Belfiore                (Ecole Nationale Supérieure des Télécommunications de Paris, France)



**WORST-CASE INTERFERENCE IN DSL SYSTEMS EMPLOYING DYNAMIC SPECTRUM MANAGEMENT (Abstract)**

Mark H. Brady                        (Stanford University, United States)  
John M. Cioffi                        (Stanford University, United States)

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 **ADAPTIVE INTERFERENCE CANCELLATION USING COMMON-MODE INFORMATION IN DSL**  
**(Abstract)**

Thomas Magesacher      (Lund University, Sweden)  
Per Ödling                      (Lund University, Sweden)  
Per Ola Börjesson              (Lund University, Sweden)

 **MIMO GENERALIZED DECORRELATING DISCRETE-TIME RAKE RECEIVER (Abstract)**

Tuncer Baykas                      (University of Ottawa, Canada)  
Abbas Yongacoglu              (University of Ottawa, Canada)  
Mohamed Siala                      (Cite Technologique des Communications, Tunisia)

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