



## Session : Filter Design and Structures

Time: 10:50 – 12:50

<b>Chair:</b>	<i>T. Engin Tuncer , Middle East Technical University</i>
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 **REDUCING NON-ZERO COEFFICIENTS IN FIR FILTER DESIGN USING POCS ([Abstract](#))**

H. Joel Trussell (North Carolina State University, United States)

David M. Rouse (North Carolina State University, United States)

 **EFFICIENT ECG BACKGROUND NORMALIZATION ([Abstract](#))**

Mohammad Hossein (Sahand University of Technology, Iran)

Sedaaghi

 **A NEW SHARPENED CASCADED COMB-COSINE DECIMATION FILTER ([Abstract](#))**

Gordana (INAOE, Mexico)

Jovanovic-Dolecek

Sanjit K. Mitra (UCSB, United States)

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### **CLOSED-FORM DESIGN OF DIGITAL FRACTIONAL-DELAY FILTERS WITH CONSTANT MAGNITUDE AND VARIABLE DELAY ([Abstract](#))**

Zhang Xiaojing (Helsinki University of Technology, Finland)  
Timo Laakso (Helsinki University of Technology, Finland)  
Martin Makundi (Helsinki University of Technology, Finland)



### **ONE METHOD FOR IIR FILTER DESIGN BASED ON COMPLEX ALLPASS FILTERS ([Abstract](#))**

Alfonso (INAOE, Mexico)  
Fernandez-Vazquez (INAOE, Mexico)  
Gordana (INAOE, Mexico)  
Jovanovic-Dolecek (INAOE, Mexico)

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### **MODIFIED HERMITE FUNCTIONS FOR DESIGNING NEW OPTIMAL UWB PULSE-SHAPERS**

#### **(Abstract)**

Mourad Ouertani

(Sys'Com Lab, ENIT, Tunisia)

Hichem Besbes

(Reseach Unit TECHTRA, SupCom, Tunisia)

Ammar Bouallegue

(Sys'Com Lab, ENIT, Tunisia)

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