



Session : Cardiovascular System Analysis

Time: 11:20 – 12:40

Chair: *Mustafa Karaman , Isik University*



BALLISTOCARDIOGRAM DIAGNOSIS USING NEURAL NETWORKS AND SHIFT-INVARIANT DAUBECHIES WAVELET TRANSFORM ([Abstract](#))

Alireza Akhbardeh (Tampere University of Technology, Finland)
Mikko Koivuluoma (Tampere University of Technology, Finland)
Teemu Koivistoinen (Tampere University Hospital, Finland)
Alpo Värrö (Tampere University of Technology, Finland)

[Back](#)

[Menu](#)

[Next](#)



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EFFICIENT ECG COMPRESSION BASED ON M-CHANNEL MAXIMALLY DECIMATED FILTER BANKS **(Abstract)**

Manuel Blanco-Velasco (Universidad de Alcala, Spain)

Fernando Cruz-Roldan (Universidad de Alcala, Spain)

Juan Ignacio
Godino-Llorente (Universidad Politecnica de Madrid, Spain)

Kenneth E. Barner (University of Delaware, United States)



USING SPEECH PROCESSING METHODS TO MODEL BLOOD FLOW (Abstract)

Derek H. Justice (North Carolina State University, United States)

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

Mette Olufsen (North Carolina State University, United States)

[Back](#)

[Menu](#)

[Next](#)



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ESTIMATION OF CARDIAC AND RESPIRATORY RHYTHMS BASED ON AN AMFM DEMODULATION AND AN ADAPTIVE EIGENVECTOR DECOMPOSITION ([Abstract](#))

Stéphane Bruno (APHYCARE Technologies, France)

Pascal Scalart (IRISA Lannion, France)

Back

Menu