



**Session : Machine Learning**

**Time: 16:50 – 18:10**

**Chair:** *Ercan Kuruoglu , ISTI–CNR*



**SUPPORT VECTOR MACHINE (SVM) CLASSIFICATION THROUGH GEOMETRY ([Abstract](#))**

Michael Mavroforakis (University of Athens, Greece)

Sergios Theodoridis (University of Athens, Greece)



**A STRAIGHTFORWARD SVM APPROACH FOR CLASSIFICATION WITH CONSTRAINTS ([Abstract](#))**

Abdenour Bounsiar (University of Technology of Troyes, France)

Pierre Beausery (University of Technology of Troyes, France)

Edith Grall (University of Technology of Troyes, France)

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**SENSITIVITY OF NEURAL NETWORKS WHICH APPROXIMATE THE NEYMAN-PEARSON DETECTOR TO THRESHOLD VARIATIONS (Abstract)**

Pilar Jarabo-Amores (Universidad de Alcalá, Spain)

Roberto Gil-Pita (Universidad de Alcalá, Spain)

Manuel Rosa-Zurera (Universidad de Alcalá, Spain)

Francisco López-Ferreras (Universidad de Alcalá, Spain)

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**A ROBUST METHOD TO IDENTIFY FAULTS IN CORRELATED SENSORS IN MACHINE CONDITION MONITORING ([Abstract](#))**

Zehra Cataltepe (Istanbul Technical University, Turkey)

Chao Yuan (Siemens, United States)

Claus Neubauer (Siemens, United States)

Meltem Demirkus (Siemens, United States)

Hans–Gerd Brummel (Siemens, United States)

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