

**Preliminary Program of  
Fourth IAPR Workshop (ICPR Workshop 2) on**

**Multimodal Pattern Recognition of Social Signals in  
Human Computer Interaction  
MPRSS 2016**

**Cancun International Convention Center (Cancun ICC), Mexico  
Room: C.Maya  
December 4, 2016 (8:30-17:00)**

For each presentation 25 minutes (20min talk + 5min discussion).

8:00- 8:30            **Registration**

8:30- 8:40            **MPRSS Opening**

8:40 – 10:00        **Session I (Tutorial Session)**

Harald C. Traue, Steffen Walter, Holger Hofmann, Sascha Meudt, Friedhelm Schwenker.  
*Multimodal Recognition of Mental States : Emotions, Dispositions, Pain*

10:00 – 10:40        **Coffee Break**

10:40 – 12:20        **Session II**

Monica Bebawy, Suzan Anwar and Mariofanna Milanova.  
*Active Shape Model Vs. Deep Learning for Facial Emotion Recognition in Security*

Wen Sun, Chunfeng Yuan, Pei Wang, Shuang Yang and Weiming Hu.  
*Hierarchical Bayesian Multiple Kernel Learning Based Feature Fusion for Action Recognition*

Tiziana D'Orazio, Nicola Mosca, Roberto Marani and Grazia Cicirelli.  
*Performance analysis of gesture recognition classifiers for building a human robot interface*

Barbara Villarini, Athanasios Gkelias and Vasileios Argyriou.  
*Photometric Stereo for 3D face reconstruction using non linear illumination models*

12:30 - 14:00        **Lunch Break**

14:00 - 15:15        **Session III**

Xiang Xiang.  
*Recursively Measured Action Units*

Roumen Kountchev, Suzan Anwar, Roumiana Kountcheva and Mariofanna Milanova.  
*Face Recognition in Home Security System Using Tensor Decomposition Based on Radix-(2x2) Hierarchical SVD*

Abhinav Thanda and Shankar Venkatesan.  
*Audio Visual Speech Recognition using Deep Recurrent Neural Networks*

15:15 – 15:45      **Coffee Break**

15:45- 17:00      **Session IV**

Cristian Alejandro Torres Valencia and Hernan Felipe Garcia Arias.  
*Combination of Generative and Discriminative Models for Multimodal Emotion Recognition from Physiological Signals Using Fisher Scores*

Faina Khoroshevsky and Boaz Lerner.  
*Human Mobility-Pattern Discovery and Next-Place Prediction from GPS data*

Yusuf Osmanlioglu and Ali Shokoufandeh.  
*On Automatic Question Answering Using Efficient Primal-dual Models*

17:00      **Discussion & MPRSS Closing**