

# Biometrics Symposium 2007

Tuesday: September 11th

## Session I: 8:40 - 9:40 (Tue)

8:40 - 9:00 : Three-view surveillance video based face modeling for recognition  
*Scott Von Duhn, Myung Jin Ko, Lijun Yin, Terry Hung, Xiaozhou Wei*

9:00 - 9:20 : Face based biometric authentication with changeable and privacy preservable templates  
*Yongjin Wang, K.N. Plataniotis*

9:20 - 9:40 : Robust Super-Resolution of Face Images Using Iterative Compensating Neighborhood Relationships  
*Sung Won Park, Marios Savvides*

## Session II: 10:20 - 11:20 (Tue)

10:20 - 11:00 : Iris recognition: algorithms, performance and challenges  
*Invited Talk, John Daugman*

11:00 - 11:20 : A Multispectral Whole-hand Biometric Authentication System  
*Robert K. Rowe, Umut Uludag, Meltem Demirkus, Sujan Parthasaradhi, Anil K. Jain*

## Session III: 2:00 - 3:00 (Tue)

2:00 - 2:20 : Speaker Identification in the Presence of Room Reverberation  
*Phillip L. De Leon, Audrey L. Trevizo*

2:20 - 2:40 : Cracking Fuzzy Vaults and Biometric Encryption  
*Walter J. Scheirer, Terrance E. Boulton*

2:40 - 3:00 : Non-metric Biometric Clustering  
*Glenn Becker, Mark Potts*

## Session IV: 3:40 - 5:00 (Tue)

3:40 - 5:00 : The Biometrics Challenge: From Basic Research to Venture Capital  
*Panel Presentation chaired by Christopher Miles*

**Session V: Poster Session: Tuesday: September 11<sup>th</sup> (5:00 - 6:30)**

- Latent Fingerprint Reconstruction Method Using Partial Differential Equation and Exemplar-Based inpainting Methods: **Mark Rahmes**, *Josef DeVaughn Allen, Abdelmoula Elharti, Gnana Bhaskar Tenali*
- Uncorrelated Multilinear Discriminant Analysis with Regularization for Gait Recognition: **Haiping Lu**, *K.N. Plataniotis and A.N. Venetsanopoulos*
- On-line signature verification using Hidden Markov Models with structure estimation from the signature duration: **J.M. Pascual-Gaspar**, *V. Cardenoso-Payo*
- Boosting LDA with Regularization on MPCA Features for Gait Recognition: **Haiping Lu**, *K.N. Plataniotis and A.N. Venetsanopoulos*
- Biometric Signature Authentication Using Radon Transform-Based Watermarking Techniques: **E. Maiorana**, *P. Campisi, A. Neri*
- Reducing Speaker Model Search Space in Speaker Identification: **Phillip L. De Leon**, *Vijendra Apsingekar*
- Biometric Identity Verification Using Intra-Body Propagation Signal: **Isao Nakanishi**, *Yasuhiro Yorikane, Yoshio Itoh, Yutaka Fukui*
- Fingerprint Alignment For A Minutiae-Based Fuzzy Vault: **Jason Jeffers**, *Arathi Arakala*
- Contactless Hand Recognition Based On Distribution Estimation: **J. Doublet**, *O. Lepetit, M. Revenu*
- Impact of signature legibility and signature type in off-line signature verification: **F. Alonso-Fernandez**, *M.C. Fairhurst, J. Fierrez and J. Ortega-Garcia*
- Fuzzy vault for face based cryptographic key generation: **Yongjin Wang**, *K.N. Plataniotis*
- A Correlation Based Approach to Human Gait Recognition: **Tahir Amin**, *Dimitrios Hatzinakos*
- Face Pose Correction With Eyeglasses and Occlusions Removal: **Jingu Heo**, *Marios Savvides*
- WebBiometrics: User Verification via Web Interaction: **H. Gamboa**, *A. L. N. Fred, A. K. Jain*

- On a Local Ordinal Binary Extension to Gabor Wavelet-based Encoding for Improved Iris Recognition: **Jinyu Zuo, Natalia A. Schmid**
- Set-to-Set Face Recognition Under Variations in Pose and Illumination: **Jen-Mei Chang, Michael Kirby, and Chris Peterson**
- Person Identification using evoked potentials and peak matching: **Girish K. Singhal, Pavan RamKumar**
- Resource allocation strategies for secure and efficient communications in biometrics-based body sensor networks: **Francis Minhthang Bui, Dimitrios Hatzinakos**

**Wednesday: September 12<sup>th</sup>**

**Session VI: 9:00 - 10:00 (Wed)**

9:00 - 9:40 : Biometric Engineering Research Center - Key Research and Applications  
*Invited Talk, Prof. Jaihie Kim*

9:40 - 10:00 : IEEE TAB on Biometrics  
*Evangelia Micheli-Tzanakou*

**Session VII: 10:40 - 12:00 (Wed)**

10:40 - 11:00 : Towards Unattended and Privacy Protected Border Control  
*Christoph Busch, Alexander Nouak, Xuebing Zhou, Michiel van der Veen, Farzin Deravi, Jean-Marc Suchier*

11:00 - 11:20 : Illumination normalization based on simplified local binary patterns for a face verification system  
*Qian Tao, Raymond Veldhuis*

11:20 - 11:40 : Dots and Incipients: Extended Features for Partial Fingerprint Matching  
*Yi Chen, Anil K. Jain*

11:40 - 12:00 : Best Paper Awards