Technical Program, CVPR 2013 Biometrics Workshop (23 June 2013)

S1 Face Recognition I (8:30-9:20am), Session Chair: *Bir Bhanu* (*University of California Riverside, USA*)

An Augmented Linear Discriminant Analysis Approach for Identifying Identical Twins with the Aid of Facial Asymmetry Features (8:30-8:50)

Felix Juefei-Xu (Carnegie Mellon University), Marios Savvides (Carnegie Mellon University)

Continuous 3D Face Authentication using RGB-D Cameras (8:50-9:10)

Mauricio Pamplona Segundo (Universidade Federal do Parana, Brazil), Sudeep Sarkar (University of South Florida, USA),
Dmitry Goldgof (University of South Florida, USA), Luciano Silva (Universidade Federal do Parana, Brazil) , Olga Bellon (Universidade Federal do Parana, Brazil)

Fixation and Saccade based Face Recognition from Single Image per Person with Various Occlusions and Expressions (9:10-9:20)

Xingjie Wei (The University of Warwick, UK), Chang-Tsun Li (The University of Warwick, UK)

S2 Fingerprint Matching I (9:20-10:10am), Session Chair: *Jaihie Kim* (*Yonsei University, Korea*)

Issues in rotational (non-) invariance and image preprocessing (9:20-9:40)

Lalit Jain (University of Colorado at Colorado Springs), Michael Wilber (University of Colorado at Colorado Springs, Securics Inc.), Terry Boult (University of Colorado at Colorado Springs, Securics Inc.)

A New Metric for Latent Fingerprint Image Preprocessing (9:40-10:00)

Haiying Guan (NIST), Andrew Dienstfrey (NIST), Mary Theofanos (NIST)

Minutiae-based Matching State Model for Combinations in Fingerprint Matching System (10:00-10:10)

Xi Cheng, (University at Buffalo, NY), Sergey Tulyakov (University at Buffalo, NY), Venu Govindaraju (University at Buffalo, NY)

Coffee Break (10:10-10:40)

S3 Antispoofing Techniques (10:40-11:30am), Session Chair: *Elham Tabassi* (*NIST , USA*)

Anti-spoofing in action: joint operation with a verification system (10:40-11:00)

Ivana Chingovska (Idiap Research Institute), André Anjos (Idiap Research Institute), Sebastien Marcel (Idiap Research Institute)

Computationally Efficient Face Spoofing Detection with Motion Magnification (11:00-11:20)

Samarth Bharadwaj (IIIT Delhi), Tejas Dhamecha (IIIT Delhi), Mayank Vatsa (IIIT Delhi), Richa Singh (IIIT Delhi)

Shape and Texture Based Countermeasure to Protect Face Recognition Systems Against Mask Attacks (11:20-11:30)

Neslihan Kose (EURECOM),Jean-Luc Dugelay (EURECOM)

S4 Ocular, Gait and Template Security (11:30-12:00), Session Chair: *Richa Singh* (*IIIT Delhi, India*)

What is a 'Good' Periocular Region for Recognition? (11:30-11:40)

Jonathon M. Smereka (Carnegie Mellon University), B.V.K. Vijaya Kumar (Carnegie Mellon University)

Histogram of Weighted Local Directions for Gait Recognition (11:40-11:50)

Sabesan Sivapalan (QUT), Daniel Chen (QUT), Simon Denman (QUT), Sridha Sridharan (QUT), Clinton Fookes (QUT)

A New Protocol to Evaluate the Resistance of Template Update Systems Against Zero Effort Attacks (11:50-12:00)

Romain Giot (GREYC, CNRS : UMR6072 – Université de Caen Basse-Normandie – Ecole Nationale Supérieure d'Ingénieurs de Caen), Christophe Rosenberger (GREYC, CNRS : UMR6072 – Université de Caen Basse-Normandie – Ecole Nationale Supérieure d'Ingénieurs de Caen) , Bernadette Dorizzi (SAMOVAR, CNRS : UMR5157 – Institut Mines-Télécom – Télécom SudParis)

Lunch Break (12:00-1:30pm)   *Luch will be provided as an free on-site option*

Invited Talk (1:30pm to 2:30pm), Session Chair: *Sudeep Sarkar* (*University of South Florida, USA*)
Title: A Multimodal Perspective on Biometrics and Entity Profiles
Dr. Prem Natrajan, Senior Vice President, Raytheon-BBN, USA

S5 Fingerprint Marching II (2:30-3:20pm), Session Chair: Koichi Ito (*Tohoku University, Japan*)

Self-Organizing Maps for Fingerprint Image Quality Assessment (02:30-02:50)

Martin Aastrup Olsen (*NIST, Gjøvik University College*)，*Elham Tabassi (NIST), Anton Makarov (Technical University of Denmark), Christoph Busch (Gjøvik University College)*

Quality Assessment for Fingerprints Collected by Smartphone Cameras (02:50-03:10)

Guoqiang Li (Gjøvik University College), Bian Yang (Gjøvik University College), Martin Aastrup Oslen (Gjøvik University College) Christoph Busch (Gjøvik University College)

Texture Modeling for Synthetic Fingerprint Generation (03:10-03:20)

Peter Johnson (Clarkson University), Fang Hua (Clarkson University), Stephanie Schuckers (Clarkson University)

Coffee Break (3:20-3:40pm)

S6 Face Recognition II (03:40-04:30pm), Session Chair: Terry Boult (*University of Colorado at Colorado Springs, USA*)

Image Set-based Face Recognition: A Local Multi-Keypoint Descriptor-based Approach (03:40-04:00)

Na Liu (Sun Yat-Sen University), Meng Hui Lim (Hong Kong Baptist University) , Pong Chi Yuen (Hong Kong Baptist University) , Jian-Huang Lai (Sun Yat-Sen University)

General Regression and Representation Model for Face Recognition (04:00-04:20)

Jianjun Qian (Nanjing University of Science and Technology), Jian Yang (Nanjing University of Science and Technology)

Bacteria Foraging Fusion For Face Recognition Across Age Progression (04:20-04:30)

Daksha Yadav (IIIT Delhi), Richa Singh (IIIT Delhi), Mayank Vatsa (IIIT Delhi), Massimo Tistarelli (University of Sassari)

S7 Performance Improvement (4:30 -5:20pm), Session Chair: Pong Chi Yuen (*Hong Kong Baptist University, Hong Kong, China*)

Similarity Measure Using Local Phase Features and Its Application to Biometric Recognition (04:30-04:50)

Shoichiro Aoyama (Tohoku University), Koichi Ito (Tohoku University), Takafumi Aoki (Tohoku University)

Can Combining Demographics and Biometrics Improve De-duplication Performance ? (04:50-05:10)

Himanshu Bhatt (IIIT Delhi), Richa Singh (IIITD), Mayank Vatsa (IIIT Delhi)

On Controlling Genuine Reject Rate in Multi-stage Biometric Verification (05:10-05:20)

Md Hossain (Louisiana Tech University), Kiran Balagani (New York Institute of Technology), Vir Phoha (Louisiana Tech University)

Valedictory and Closing Remarks (5:20-5:30), *Bir Bhanu* (*University of California Riverside, USA*)