Technical Program, CVPR 2018 Biometrics Workshop (18 June 2018)

Opening Remarks (8:15-8:20), Bir Bhanu (University of California Riverside, USA), Ajay Kumar (The Hong Kong Polytechnic University, Hong Kong)

S1 Face and Signature Verification (8:20-9:20am), Session Chair: Jiwen Lu (Tsinghua University, Beijing, China)
- Toward More Realistic Face Recognition Evaluation Protocols for the YouTube Faces Database (8:20-8:40)
  Yoanna Martínez Díaz, (CENATAV, Cuba); Heydi Mendez-Vazquez (CENATAV, Cuba), Leyanis Lopez (CENATAV, Cuba), Leonardo Chang (Tecnológico de Monterrey; Mexico), Luis Succar (INAOE, Mexico), Massimo Tistarelli (University of Sassari, Italy)
- Dict Layer: A Structured Dictionary Layer (8:40-9:00)
  Yefei Chen (Shanghai Jiao Tong University, China), Jianbo Su (Shanghai Jiao Tong University, China)
- Hierarchical Dictionary Learning and Sparse Coding for Static Signature Verification (9:00-9:20)
  Ilias Zois (University of West Attica, Greece), Marianna Papagiannopoulou (University of Patras, Greece), Dimitrios Tsourounis (University of Patras, Greece), George Economou (University of Patras, Greece)

S2 Iris Recognition and Security (9:20-10:00am), Session Chair: Adams Kong (Nanyang Technological University, Singapore)
- Realtime Quality Assessment of Iris Biometrics under Visible Light (9:20-9:30)
  Mohsen Jenadeleh (University of Konstanz, Germany), Marius Pedersen (NTNU, Gjovik, Norway), (Dietmar Saupe, University of Konstanz, Germany)
- Multi-Frame Super Resolution for Ocular Biometrics (9:30-9:40)
  Narsi Reddy (University of Missouri - Kansas City, USA), Dewan Fahim Noor (University of Missouri-Kansas City, USA), Zhu Li (University of Missouri-Kansas City, USA), Reza Derakhshani (University of Missouri - Kansas City, USA)
- Face Template Protection using Deep Convolutional Neural Network (9:40-9:50)
  Arun Jindal (TATA Consultancy Services, India), Srinivas Chalamala (TATA Consultancy Services, India), Santosh Kumar Jami (TATA Consultancy Services, India)
- Incorporating Touch Biometrics to Mobile One-Time Passwords: Exploration of Digits (9:50-10:00)
  Ruben Tolosana (Universidad Autonoma de Madrid, Spain), Rubén Vera Rodríguez (Universidad Autónoma de Madrid, Spain), Julian Fierrez (Universidad Autonoma de Madrid, Spain), Javier Ortega-Garcia (Universidad Autonoma de Madrid, Spain)

Coffee Break (10:00-10:30am)

Invited Talk (10:30pm to 11:30), Session Chair: Richa Singh (Indraprastha Institute of Information Technology, Delhi, India)
- Face Recognition by Deep Learning - The Imbalance Problem
  Chen Change Loy
  Department of Information Engineering
  The Chinese University of Hong Kong, Hong Kong
Cross Domain and Low Resolution Face Recognition (11:30-12:30), Session Chair: Terrance Boult (University of Colorado at Colorado Springs, USA)

Identity Aware Synthesis for Cross Resolution Face Recognition (11:30-11:50)
Maneet Singh (IIIT-Delhi, India), Shruti Nagpal (IIIT-Delhi, India), Mayank Vatsa (IIIT-Delhi, India), Richa Singh (IIIT-Delhi, India), Angshul Majumdar (IIIT Delhi, India)

GenLR-Net: Deep framework for very low resolution face and object recognition with generalization to unseen categories (11:50-12:10)
Sivaram Mudunuri (Indian Institute of Science, India), Soubhik Sanyal (Max Planck Institute for Intelligent Systems, Germany), Soma Biswas (Indian Institute of Science, India)

Attribute-Centered Loss for Soft-Biometrics Guided Face Sketch-Photo Recognition (12:10-12:30)
Hadi Kazemi (West Virginia University, USA), Sobhan Soleymani (West Virginia University, USA), Ali Dabouei (West Virginia University, USA), Seyed Mehdi Iranmanesh (West Virginia University, USA), Nasser Nasrabadi (West Virginia University, USA)

Fingerprint and Signature Verification (12:30-1:00pm), Session Chair: Julian Fierrez (Universidad Autonoma de Madrid, Spain)

Latent Fingerprint Image Quality Assessment Using Deep Learning (12:30-12:40)
Jude Ezeobiejesi (University of California Riverside, USA), Bir Bhanu (University of California Riverside, USA)

Unconstrained Fingerphoto Database (12:40-12:50)
Shaan Chopra (IIIT-Delhi, India), Aakash Malhotra (IIIT-Delhi, India), Mayank Vatsa (IIIT-Delhi, India), Richa Singh (IIIT-Delhi, India)

Hybrid User-Independent and User-Dependent Offline Signature Verification with a Two-Channel CNN (12:50-1:00)
Berkay Yılmaz (Akdeniz University, Turkey), Kağan Öztürk (Akdeniz University, Turkey)

Lunch Break (1:00-2:00pm)

Face Detection and Recognition (2:00-2:30pm), Session Chair: Koichi Ito (Tohoku University, Japan)

It takes two to tango: Cascading off-the-shelf face detectors (2:00-2:10)
Siqi Yang (University of Queensland, Australia), Arnold Wiliem (University of Queensland, Australia), Brian Lovell (University of Queensland, Australia)

Time Analysis of Pulse-based Face Anti-Spoofing in Visible and NIR (2:10-2:20)
Javier Hernandez-Ortega (Universidad Autonoma de Madrid, Spain), Julian Fierrez (Universidad Autonoma de Madrid, Spain), Aythami Morales (Universidad Autonoma de Madrid, Spain), Pedro Tome (Universidad Autonoma de Madrid, Spain)

A Deep Face Identification Network Enhanced by Facial Attributes Prediction (2:20-2:30)
Fariborz Taherkhani (West Virginia University, USA), Nasser Nasrabadi (West Virginia University, USA), Jeremy Dawson (West Virginia University, USA)

Soft Biometrics and Presentation Attack Detection (2:30 -3:30pm), Session Chair: Venu Govindaraju (University at Buffalo, SUNY, USA)

Gait Recognition by Deformable Registration (2:30-2:50)
Yasushi Mahikara (Osaka University, Japan), Daisuke Adachi (Osaka University, USA), Chi Xu (Nanjing University of Science and Technology, China)
Fusion of Handcrafted and Deep Learning Features for Large-scale Multiple Iris Presentation Attack Detection (2:50-3:10)

Hierarchical Network for Facial Palsy Detection (3:10-3:30)

Coffee Break (3:30-4:00pm)

Panel Session (4:00pm to 5:00pm), Panel Chair: Brian Lovell (University of Queensland, Australia)

Awards, Valedictory and Closing Remarks (5:00-5:10), Bir Bhanu (University of California Riverside, USA)

S1, S3, S6 → 20 Minutes Oral Presentations (15 Minutes Presentation + 5 Minutes for Q/A and Setup Time)
S2, S4, S5 → 10 Minutes Short Oral Presentations (8 Minutes Presentation + 2 Minutes for Q/A and Setup Time)

Posters corresponding to all papers can be displayed by 8:00 am and removed by 5:30pm. Posters should be attended at least during the breaks.