

2013 International Workshop on Biometrics and Forensics

(IWBF 2013)

**Lisbon, Portugal
4 – 5 April 2013**



**IEEE Catalog Number: CFP1308U-PRT
ISBN: 978-1-4673-4987-1**

PROGRAM OVERVIEW

Thursday, April 4th 2013 – Morning Session

9:10 – 9:20	<p>Opening Session</p> <p>Local organizer, COST Chairman</p>
9:20 – 10:20	<p>Invited Talk</p> <p><i>“Some Challenges in Forensics: Facial Sketch, Latent Prints, Scars, Marks & Tattoos”</i></p> <p>Anil Jain – Michigan State University, USA</p>
10:20 – 10:40	<p><i>Coffee break</i></p>
10:40 – 12:00	<p>Oral Session I - Facial Biometrics and Forensics</p> <ol style="list-style-type: none"> 1. <i>Analysis of the variability of facial landmarks in a forensic scenario</i>, Ruben Vera-Rodriguez, Pedro Tome, Julian Fierrez, Nicomedes Exposito, Francisco Javier Vega 2. <i>Robust face recognition with occlusions in both reference and query images</i>, Xingjie Wei, Chang-Tsun Li, Yongjian Hu 3. <i>Understanding the discrimination power of facial regions in forensic casework</i>, Pedro Tome, Luis Blazquez, Ruben Vera-Rodriguez, Julian Fierrez, Javier Ortega-Garcia, Nicomedes Exposito, Patricio Leston 4. <i>Composite score normalization for face verification</i>, Vitomir Struc, Jerneja Žganec Gros, Nikola Pavešić

Thursday, April 4th 2013 – Afternoon Session

13:30 – 14:30	<p>Invited Talk</p> <p><i>“Introducing a LR-based Identification System in Forensic Practice: Opportunities and Challenges”</i></p> <p>Christophe Champod – University of Lausanne, Switzerland</p>
14:30 – 14:50	<p>Poster Highlights</p> <ol style="list-style-type: none"> 1. <i>On the use of spectral minutiae in high-resolution palmprint recognition</i>, Ruifang Wang, Raymond Veldhuis, Daniel Ramos, Julian Fierrez, Luuk Spreeuwiers, Haiyun Xu 2. <i>Survey on fingerpring liveness detection</i>, Amani Al-Ajlan 3. <i>Liveness detection based on 3d face shape analysis</i>, Andrea Lagorio, Massimo Tistarelli, Enrico Grosso, Marinella Cadoni, Clinton Fookes, Sridha Sridharan 4. <i>Face locations suitable for drunk persons identification</i>, Vassilis Anastassopoulos, Georgia Koukiou 5. <i>Facial image clustering in single channel and stereo video content</i>, Georgios Orfanidis 6. <i>Semantic description in stereo video content for surveillance applications</i>, Nikos Papanikoloudis, Sotirios Delis, Nikos Nikolaidis, Ioannis Pitas 7. <i>Unambiguous interpolation rate estimation in uncompressed resized color digital images</i>, Jesús Valera, Narciso García
14:50 – 15:30	<p>Poster Session</p> <p><i>(in the coffee break area)</i></p>
15:30 – 16:30	<p>Panel Session</p> <p><i>“Are Automatic Biometric Recognition Schemes Really Useful for Forensic Analysis?”</i></p> <p>Chairman: Massimo Tistarelli, University of Sassari, Italy</p> <p>Panelists: Andrzej Drygajlo, EPFL, Switzerland</p> <p>Arnout Ruifrok, Netherlands Forensic Institute, The Netherlands</p> <p>Emilio Mordini, CSSC, Italy</p> <p>Aldo Mattei, Innovation Factory, Italy</p>

16:30 – 17:50	Oral Session II – <i>Hand-based Biometrics and Forensics</i>
	1. <i>High quality training materials to detect printed fingerprints: benchmarking three different acquisition sensors producing printing templates</i> , J. Sturm, M. Hildebrandt, J. Dittmann
	2. <i>Separation of contactless captured high-resolution overlapped latent fingerprints: parameter optimisation and evaluation</i> , K. Qian, M. Schott, J. Dittmann
	3. <i>Palmprint image processing with non-halo complex matched filters for forensic data analysis</i> , R. Fuksis, M. Greitans, M. Pudzs
4. <i>Improved rotation-invariant degraded partial palmprint recognition technique</i> , S. Singh, P. Correia, L. Soares	

Friday, April 5th 2013 – Morning Session

9:00 – 10:00	<p>Invited Talk</p> <p><i>"Gait as Evidence"</i></p> <p>Niels Lynnerup – University of Copenhagen, Denmark</p>
10:00 – 10:15	<p><i>Coffee break</i></p>
10:15 – 11:35	<p>Oral Session III – Behavioral Biometrics</p> <ol style="list-style-type: none"> 1. <i>Robust gait recognition from extremely low frame-rate videos</i>, Yu Guan, Chang-Tsun Li, Sruti Choudhury 2. <i>Person identification from actions based on dynemes and discriminant learning</i>, Alexandros Iosifidis, Anastasios Tefas, Ioannis Pitas 3. <i>Assessment of gait recognition based on the lower part of the human body</i>, Silvia Gabriel-Sanz, Ruben Vera-Rodriguez, Pedro Tome, Julian Fierrez 4. <i>Multimodal person re-identification using RGB-D sensors and a transient identification database</i>, Andreas Møgelmoose, Thomas Moeslund, Kamal Nasrollahi
11:35 – 12:35	<p>Panel Session</p> <p><i>"The Role of Behavioral and Soft Biometrics in Forensic Analysis"</i></p> <p>Chairman: Mark Nixon, University of Southampton, UK</p> <p>Panelists: Peter Larsen, University of Copenhagen, Denmark Patrizio Campisi, University of Roma TRE, Italy Chang-Tsun Li, University of Warwick, UK</p>

Friday, April 5th 2013 – Afternoon Session

14:00 – 15:20	<p>Oral Session IV – <i>Other Biometrics in Forensics</i></p> <ol style="list-style-type: none"><li data-bbox="500 380 1362 443">1. <i>Targeted biometric impersonation</i>, John Bustard, Mark Nixon, John Carter<li data-bbox="500 464 1362 558">2. <i>3D gender recognition using cognitive modeling</i>, Jens Fagertun, Tobias Andersen, Thomas Hansen, Rasmus Paulsen<li data-bbox="500 579 1362 716">3. <i>Correlation of iris biometrics and DNA</i>, Stine Harder, Line Clemmensen, Anders Dahl, Jeppe Andersen, Peter Johansen, Susanne Christoffersen, Niels Morling, Claus Børsting, Rasmus Paulsen<li data-bbox="500 737 1362 831">4. <i>Telephone handset identification using sparse representations of spectral feature sketches</i>, Constantine Kotropoulos
15:20 – 15:30	Closing