

2014 IEEE Symposium on Computational Intelligence in Biometrics and Identity Management

(CIBIM 2014)

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9-12 December 2014**



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Thursday, December 11

9:20AM-10:00AM

CIBIM'14 Keynote Talk:

*Computational Intelligence and Biometric Technologies:
Application-driven Development*
Qinghan Xiao

10:20AM-12:00PM

Special Session: CIBIM'14 Session 1: Adaptive Biometric Systems - Recent Advances and Challenges

Chair: Eric Granger and Ajita Rattani

| | | |
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| 10:20AM | <i>A New Efficient and Adaptive Sclera Recognition System</i> | 1 |
| | Abhijit Das, Umapada Pal, Miguel Ferrer Ballaster and Michael Blumenstein | |
| 10:40AM | <i>Biometric Template Update under Facial Aging</i> | 9 |
| | Zahid Akhtar, Amr Ahmed, Cigdem Eroglu Erdem and Gian Luca Foresti | |
| 11:00AM | <i>An Automated Multi-modal Biometric System and Fusion</i> | 16 |
| | Yogesh Kumar, Aditya Nigam, Phalguni Gupta and Kamlesh Tiwari | |
| 11:20AM | <i>Multi-angle Based Lively Sclera Biometrics at a Distance</i> | 22 |
| | Abhijit Das, Umapada Pal, Miguel Ferrer Ballaster and Michael Blumenstein | |
| 11:40AM | <i>Adaptive ECG Biometric Recognition: a Study on Re-Enrollment Methods for QRS Signals</i> | 30 |
| | Ruggero Donida Labati, Vincenzo Piuri, Roberto Sassi, Fabio Scotti and Gianluca Sforza | |

1:30PM-3:10PM

CIBIM'14 Session 2: Adaptive Biometric Systems and Biometric Fusion

Chair: Eric Granger

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| 1:50PM | <i>Offline Signature-Based Fuzzy Vault: A Review and New Results</i> | 45 |
| | George Eskander, Robert Sabourin and Eric Granger | |
| 2:10PM | <i>TARC: A Novel Score Fusion Scheme for Multimodal Biometric Systems</i> | 53 |
| | Kamlesh Tiwari, Aditya Nigam and Phalguni Gupta | |
| 2:30PM | <i>Efficient Adaptive Face Recognition Systems Based on Capture Conditions</i> | 60 |
| | Christophe Pagano, Eric Granger, Robert Sabourin, Ajita Rattani, Gian Luca Marcialis and Fabio Roli | |
| 2:50PM | <i>A New Wrist Vein Biometric System</i> | 68 |
| | Abhijit Das, Umapada Pal, Miguel Ferrer Ballaster and Michael Blumenstein | |

3:30PM-5:10PM

CIBIM'14 Session 3: Face Detection and Recognition

Chair: Gelson da Cruz Junior and Marina Gavrilova

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| | Norman Poh, Ajita Rattani and Josef Kittler | |
| 4:10PM | <i>Disguised face detection and recognition under the complex background</i> | 87 |
| | Jing Li, Bin Li, Yong Xu, Kaixuan Lu, Lunke Fei and Ke Yan | |
| 4:30PM | <i>Adaptive Multi-Stream Score Fusion for Illumination Invariant Face Recognition</i> | 94 |
| | Madeena Sultana, Marina Gavrilova, Reda Alhajj and Svetlana Yanushkevich | |
| 4:50PM | <i>Multi-Spectral Facial Biometrics in Access Control</i> | 102 |
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Friday, December 12

9:30AM-10:30AM

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Chair: Gelson da Cruz Junior and Norman Poh

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11:00AM-12:00PM

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Chair: Sanjoy Das and Nhat Quang Huynh

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Chair: Sanjoy Das and Xiaojie Li

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