



Call for Papers



Special Session on Biometric based Security

in Conjunction with

2016 International Conference on Signal Processing and Integrated Networks (SPIN 2016)

Biometrics recognizes a person based on his/her physiological or behavioral characteristics. It is potentially an effective and reliable method for person recognition in the current digital era. It extracts physiological and behavioral features of an individual and generates a living password. Biometrics provides high potential for deployment into commercial, government and law enforcement. Although use of biometric based recognition came into practice many years ago and has achieved quit matured stage, it still suffers from various challenges which need attention of research community. The public acceptance of biometrics is greatly dependent on its ease of use, infeasibility of spoofing, social status and performance. All these challenges motivate researchers in the area of biometrics with a path forward. Through this special session, original contributions that provide novel solutions to challenging problems in biometrics systems are solicited.

The topics of interest of this special session of SPIN 2016 include but are not limited to

- Physiological and behavioral biometric traits
- 2D and 3D biometrics
- Privacy issues and template protection
- Secure and efficient biometrics communication and transmission algorithms
- Indexing and retrieval of large biometric data
- Biometrics encryption
- Cancelable biometrics algorithms
- Multimodal biometrics and fusion techniques
- Automatic template updating strategies
- Anti-spoofing and liveness detection
- Novel biometric traits
- Biometrics interoperability
- Quality based biometric assessment
- Latent fingerprint recognition

Instructions to the Authors

The researchers and practitioners in the area of biometrics are invited to submit their original unpublished research work of not more than 6 pages in IEEE two-column format. Submitted papers will be evaluated for originality, significance, clarity, and soundness, and will be reviewed by at least two independent reviewers. Authors can use Microsoft Word or Latex for preparing their manuscript. The required templates can be downloaded from IEEE website.

Important Dates

Paper submission due: November 07, 2015
Notification of acceptance: December 21, 2015
Final manuscript due: January 15, 2016
Special session dates: February 11-12, 2016

Organizers

- **Surya Prakash**, IIT Indore, INDIA
- **K V Arya**, IIITM Gwalior, INDIA

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Proceeding

All accepted and registered papers will appear in the proceedings and will be digitally archived in **IEEE Xplore** provided they are presented by the author(s) personally.

Submission

Papers should be submitted online through the Conference website <http://amity.edu/spin2016/> and a copy of the paper in PDF format should be e-mailed at surya@iiti.ac.in or kvarya@iiitm.ac.in.