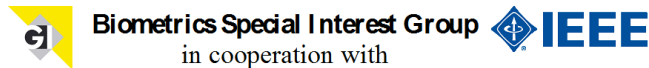Call for Papers

BIOSIG 2018

17th International Conference
of the Biometrics Special Interest Group

26.-28.09.2018, Darmstadt, Germany

http://www.biosig.de

Biometrics Special Interest Group ◆IEEE
in cooperation with

Bundesamt für Sicherheit in der Informationstechnik | European Association for Biometrics eab | Fraunhofer IGD | CRISP Center for Research in Security and Privacy

Biometrics provides efficient and reliable solutions to recognize individuals. With increasing number of identity theft and miss-use incidents we do observe a significant fraud in e-commerce and thus growing interests on trustworthiness of person authentication. Nowadays we find biometric applications in areas like border control, national ID cards, e-banking, e-commerce, e-health etc. Large-scale applications such as the European Union SmartBorder Concept, the Visa Information System (VIS) and Unique Identification (UID) in India require high accuracy and also reliability, interoperability, scalability and usability. Many of these are joint requirements also for forensic applications.

Multimodal biometrics combined with fusion techniques can improve recognition performance. Efficient searching or indexing methods can accelerate identification efficiency. Additionally, quality of captured biometric samples can strongly influence the performance. Moreover, mobile biometrics is an emerging area and biometrics based smartphones can support deployment and acceptance of biometric systems.

However, concerns about security and privacy cannot be neglected. The relevant techniques in the area of presentation attack detection (liveness detection) and template protection are about to supplement biometric systems, in order to improve fake resistance, prevent potential attacks such as cross matching, identity theft etc.

The BIOSIG 2018 conference addresses these issues and will present innovations and best practices that can be transferred into future applications. The conference is jointly organized by the Competence Center for Applied Security Technology (CAST), the German Federal Office for Information Security (BSI), the European Association for Biometrics (EAB), the Joint Research Centre of the European Commission (JRC), the TeleTrusT-Association, the Norwegian Biometrics Laboratory (NBL), the Center for Research in Security and Privacy (CRSIP), the Fraunhofer Institute for Computer Graphics Research

IGD, IET Biometrics Journal and the special interest group BIOSIG of the Gesellschaft für Informatik e.V. (GI). The conference will be technically co-sponsored by IEEE and papers will be added to IEEE Xplore .

We invite stakeholders and technical experts to submit original research papers. Industrial contributions presenting lessons learnt from practical usage, case study, recent results of prototypes, are also welcomed.

Important Dates

30.05.2018	Deadline for submissions
20.07.2018	Notification of authors via e-mail
20.08.2018	Deadline for final papers (ready for press)
24./25.09.2018	EAB-Research Project Conference
26.09.2018	Satellite Workshop TTT Working Group
26.09.2018	EAB European Research and Industry Award
27./28.09.2018	Main Conference: Talks and Presentations
28.09.2018	BIOSIG Best Paper Award

Invited Talks

TBA

Special Interest Group BIOSIG

The BIOSIG Group is dedicated to the foundations of biometrics. Its objective is to to link practical experience with academic innovations. Thus the Special Interest Group BIOSIG together with its co-organizers is providing with its annual conference a suitable platform to work on these issues.

Topics of Interest

Topics of the conference include but are not limited to: Biometric standards and interoperability, multimodal and multi-biometrics, security analysis of biometric components or systems, on-card comparison, fake resistance, liveness detection, aging of reference data, template protection, de-identification, user interface design for biometric systems, biometric performance measurement, sample quality, best practices, usability, continuous authentication, forensics and other emerging applications, ethical, legal and socio-technological aspects, biometrics for public administrations.

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