

GI special interest group BIOSIG  
in cooperation with



## Call for Papers

# BIOSIG 2010

BEST Biometrics –  
beyond security applications

09.-10.09.2010, Darmstadt

Gesellschaft für Informatik e.V. (GI)

[www.cast-forum.de](http://www.cast-forum.de) · [www.biosig.org](http://www.biosig.org)

Most visible biometric applications on the market are “mandatory” applications for state security, such as border control and national ID programmes. At the same time biometrics has become a technology with which European citizens voluntarily interact daily as an enabling, convenient technology. Among these are applications in e-commerce, e-banking and health monitoring, and also voluntary security applications such as positive identification for fast tracking border control. All of these are expected to have a profound ethical, social, and legal impact on everyday life. The first large scale implementations of biometric identity management systems revealed basic challenges requiring further research and development in order to improve the state-of-the-art towards higher maturity and better biometric performance, interoperability, scalability, system reliability and usability. An emphasis is given on protection against identity fraud and spoofing attacks.

The BEST Biometrics conference (BIOSIG 2010) addresses these issues and is looking also at ethical and privacy concerns of biometric systems. BIOSIG 2010 conference will present best practices that can be transferred into future applications. BIOSIG 2010 on September 09.-10. is jointly organized by the Competence Center for Applied Security Technology (CAST), the German Federal Office for Information Security (Bundesamt für Sicherheit in der Informationstechnik – BSI), the

Biometric European Stakeholders Network (BEST Network), the Joint Research Centre of the European Commission (JRC), the TeleTrust-Association, the Center for Advanced Security Research Darmstadt (CASED) and the special interest group BIOSIG of the Gesellschaft für Informatik e.V. (GI).

We invite stakeholders and technical experts from public administration, industry, science, and academia to propose contributions to the program of the conference. Submissions should be full papers (max. 12 pages) in English. Submitted papers will be reviewed by the program committee. Accepted papers will be presented at the conference and published within the proceedings, which are planned to appear in the GI-Edition Lecture Notes in Informatics (LNI). For proceedings of past conferences please visit <http://www.gi-ev.de/service/publikationen/lni/>.

## Important Dates

- 31.05.2010** Deadline for electronic submissions  
(via e-mail to: [submissions@biosig.org](mailto:submissions@biosig.org))
- 30.06.2010** Notification of authors via e-mail
- 31.07.2010** Deadline for final papers (ready for press)
- 09./10.09.2010** Conference: Talks and Presentations

## Special Interest Group BIOSIG

The GI special interest group on Biometrics and Electronic Signatures (BIOSIG) is dedicated to the fundamentals, methods, techniques, processes and implementations used to guarantee the authenticity and integrity of entities that are involved in information, communication and operating systems employing applications that have a need for security, as well as to the related organizational and legal frameworks. In this context, constructive approaches and threat analyses are considered. In order to develop the topics in this context and to link practical experience with academic innovations the special interest group BIOSIG is inviting to the conference experts from academia, industry and public administration and other stakeholders.

## Topics of Interest

The topics of the conference include but are not limited to: Biometric standards and interoperability, multimodal and multibiometrics (feature fusion, score fusion, decision fusion), security analysis of biometric components or systems, On-Card-Comparison, fake resistance, liveness detection, aging of reference data, template protection, derivation of cryptographic keys

from biometrics, remote authentication using biometrics, biometric middleware, user interface design for biometric systems, biometric performance measurement, best practices, emerging applications, ethical, legal and socio-technological aspects, biometrics for public administrations.

## Organizer

### Organizer

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