



GI working group BIOSIG  
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Call for Papers

## BIOSIG 2009

Biometrics and Electronic Signatures -

Research and Applications

17.-18.09.2009, Darmstadt

Gesellschaft für Informatik e.V. (GI)

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Biometrics, electronic signatures and related techniques play a central role in the current identity management landscape as well as in emerging future scenarios. While there are already plenty of successful applications in which those techniques are used to guarantee the authenticity and integrity of entities, there are still many closely related areas which demand further research. In order to link practical experiences and requirements with academic innovations, the BIOSIG 2009 workshop focuses on **Research and Applications** in the area of **Biometrics and Electronic Signatures**.

BIOSIG 2009 on 17.-18.09.2009 is jointly organized by the Competence Center for Applied Security Technology CAST, the German Federal Office for Information Security BSI and the expert group BIOSIG of the Gesellschaft für Informatik.

We invite stakeholder and technical experts from public administration, industry, science and academia to propose contributions to the program of the workshop. Submissions should be extended abstracts (3-4 pages) or full papers (max. 12 pages) in English. Submitted abstracts and papers will be reviewed by the program committee. Accepted papers will be presented at the workshop and published within the conference proceedings, which are planned to appear in the GI-Edition Lecture Notes in Informatics (LNI).

### Important Dates

- 15.05.2009** Deadline for electronic submissions (via e-mail to: [biosig2009@biosig.org](mailto:biosig2009@biosig.org))
- 15.06.2009** Notification of authors via e-mail
- 15.07.2009** Deadline for final papers (ready for press)
- 17.09.2009** Presentations on Biometrics
- 18.09.2009** Presentations on Electronic Signatures and Best Paper Award Ceremony

### BIOSIG – Biometrics and Electronic Signatures

The working group Biometrics and Electronic Signatures 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 working group BIOSIG is inviting for the workshop: **„Biometrics and Electronic Signatures – Research and Applications“**.

### Topics of Interest

The topics of the workshop include but are not limited to:

#### Biometrics

Biometric standards and interoperability, multimodal and multibiometrics (feature fusion, score-fusion, decision fusion), Comparison-on-Card, fake resistance, liveness detection, ageing of reference data, template protection, derivation of cryptographic keys from biometrics, remote authentication using biometrics, biometric middleware, user interface design for biometric systems and biometric performance measurement.

#### Electronic Signatures and related techniques

Cryptographic foundations, security, efficiency and interoperability of *electronic signature techniques* (including classical, blind, designated verifier, fail-stop, forward-secure, group, intrusion resilient, ring, threshold, proxy, undeniable signatures and signcryption) and related *standards* (including XML DSig / XAdES, CMS / CAAdES, LTANS-ERS, OASIS-DSS, PKIX etc.). Security, interoperability as well as legal and economic aspects of *privacy enhancing technologies* and *identity*

*management*. Concepts for and practical experiences with systems, processes and applications for *electronic signature and identity cards* (e.g. national identity cards, electronic health and social insurance cards, electronic passports, electronic banking cards and related large scale pilot projects such as STORK, epSOS and PEPPOL etc.). *Application* of electronic signatures and related techniques in the area of electronic banking, electronic health, electronic government, long term archiving, service-oriented systems, cloud computing etc.

### Organizer

#### Organizer

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