GI special interest group BIOSIG
in cooperation with

Call for Papers

BIOSIG 2011

Biometrics and Security

08.-09.09.2011, Darmstadt

Gesellschaft für Informatik e.V. (GI)

www.cast-forum.de · www.biosig.org

With the increasing deployment of ePassports and citizen cards most European citizens have already actively participated in a biometric enrolment process. Biometric verification at the Schengen Borders with ePassports and the Visa Information System (VIS) are now introduced on a wider scale. However at the same time a number of research topics are yet unsolved and need to be tackled.

Innovation is needed for multimodal biometric systems including new modalities such as 3D-face and 3D-finger, multi-spectral fingerprint or vein and the observation of many more behavioural biometric characteristics.

Security analysis of biometric systems and components remains to be essential. This includes fake resistance of sensors, biometric information protection and crypto-biometrics to enhance the privacy of data subjects and to protect biometric references. Moreover security analysis and certification of security properties need to be developed.

Beyond that biometrics can contribute to the security of large scale systems such as the VIS or numerous widely used systems such as personal mobile devices, e-Banking or e-Health systems. Critical success factors in those applications are among others the compliance to standards and the early assessment of sample quality with standardized metrics.

All of these techniques and applications are expected to have an ethical, social, and legal impact on our everyday life. Further research and development is needed in order to improve the state-of-the-art towards higher maturity and better biometric performance, interoperability, scalability, system reliability and usability.

The BIOSIG 2011 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 Joint Research Centre of the European Commission (JRC), the European Biometrics Forum (EBF), 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 LNI style).

For authors guidelines please visit:
http://www.gi.de/fileadmin/redaktion/Autorenrichtlinien/guidelines.pdf

Important Dates

30.05.2011	Deadline for electronic submissions (via e-mail to: submissions@biosig.org)
30.06.2011	Notification of authors via e-mail
31.07.2011	Deadline for final papers (ready for press)
08./09.09.2011	Conference: talks and poster presentations

Special Interest Group BIOSIG

The BIOSIG Group is dedicated to the foundations of biometrics systems and further to techniques and processes to guarantee the authenticity and integrity of entities that are involved in information and communication systems. In order to develop the topics in this context and to link practical experience with academic innovations 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

The topics of the conference include but are not limited to: Biometric standards and interoperability, multimodal and multi-biometrics (sensor, modality, sample, feature, score and 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, 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 GI-BIOSIG and CAST e.V:
Christoph Busch, christoph.busch@cast-forum.de
Arslan Brömme, arslan.broemme@aviomatik.de
Local Organizer:
Christoph Busch, Tel.: +49-6151-155-536
BIOSIG Webmaster:
Victor-Philipp Busch, webmaster@biosig.de

Program Committee

H. Baier (h_da, DE), B. Brecht (BDR, DE), A. Brömme (GI/BIOSIG, DE), P. Bours (GUC, NO), J. Bringer (Morpho, FR), C. Busch (CAST-Forum, DE), V.-P. Busch (Uni Hamburg, DE), P. Campisi (Uni Roma Tre, IT), H. Daum (G&D, DE), N. Delvaux (Morpho, FR), F. Deravi (UKE, UK), B. Dorizzi (IT, FR), M. Drahansky (BUT, CZ), J. Fierrez (UAM, ES), S. Fischer-Hübner (KAU, SE), L. Fritsch (NR, NO), R. Grimm (Uni Koblenz, DE), P. Grother (NIST, US), D. Hartung (GUC, NO), O. Henniger (Fraunhofer SIT, DE), D. Hühnlein (ecsec, DE), H. Ihmor (BSI, DE), C. Kaplan (softpro, DE), K. Keus (JRC, IT), U. Korte (BSI, DE), B. Kowalski (BSI, DE), M. Kreutzer (CASED, DE), H. Leitold (a-sit, AT), S. Li (CBSR, CN), L. Lo Iacono (EUFH, DE), J. Löschner (JRC, IT), U. Mahlmeister (L1, US), D. Maltoni (UDB, IT), T. Mansfield (NPL, UK), G. Meister (G&D, DE), J. Merkle (secunet, DE), E. Mordini (CSSC, IT), A. Munde (BSI, DE), A. Nouak (Fraunhofer IGD, DE), H. Ogata (Hitachi, JP), M. Peirce (Daon, IR), I. Pitas (AUT, GR), F. Podio (NIST, US), R. Posch (TUG, AT), N. Ratha (IBM, US), K. Rannenberg (Uni Frankfurt, DE), M. Rejman-Greene (Home-Office, UK), H. Roßnagel (Fraunhofer IAO, DE), R. Sanchez-Reillo (UC3M, ES), S. Schnuckers (ClU, US), G. Schumacher (JRC, IT), T. Shinzaki (Fujitsu, JP), M. Snijder (EBF, IR), E. Tabassi (NIST, US), T. Teichmann (HypoVereinsbank, DE), M. Tistarelli (UNISS, IT), C. Tilton (Daon, US), D. Tzovoras (CfRaT, GR), M. Ullmann (BSI, DE), M. v.d. Veen (priv-ID, NL), R. Veldhuis (UTW, NL), B. Yang (GUC, NO), J. Wayman (SJSU, US), F. Willems (UE, NL) A. Wolf (BDR, DE), H. Xu (UTW, NL), X. Zhou (Fraunhofer IGD, DE)