

Call for Papers

BIOSIG 2017

16th International Conference
of the Biometrics Special Interest Group

20.-22.09.2017, Darmstadt

<http://www.biosig.de/biosig2017>

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 Smart-Border 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 2017 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. Submissions (max. 8 pages) should be in English. Each paper will be subjected of a double blind peer review. Note that those contributions, which will be accepted as research paper, might be extended to 12 pages.

Each paper will be subjected of a double blind peer review. Submission instructions can be found at:

<http://fg-biosig.gi.de/biosig-2017/paper-submission.html>

Important Dates

13.06.2017	Deadline for submissions
15.07.2017	Notification of authors via e-mail
15.08.2017	Deadline for final papers (ready for press)
18./19.09.2017	EAB-Research Project Conference
20.09.2017	Satellite Workshop TTT Working Group
20.09.2017	EAB European Research and Industry Award
21./22.09.2017	Main Conference: Talks and Presentations
22.09.2017	BIOSIG Best Paper Award

Invited Talks

Ciaran Carolan (eu-LISA)

Biometrics, interoperability and large-scale IT systems:
the Future of EU Smart Borders

Mark Nixon (University of Southampton, U.K.)

Soft Biometrics: Identification by Face, Body and Clothing

Yoshinori Koda (NEC Corporation, JP)

Fingerprinting young newborns - from sensor design to application challenges

Special Interest Group BIOSIG

The BIOSIG Group is dedicated to the foundations of biometrics. Its objective is 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.

Organizing Committee

General Chair: Christoph Busch

Program Chairs: Antitza Dantcheva, Christian Rathgeb, Andreas Uhl

Publication Chair: Arslan Brömme

Publicity Chair: Victor Philip Busch

Local Chairs: Alexander Nouak, Claudia Prediger

Program Committee

Harald Baier (CASED, DE)	Detlef Hühlein (essec, DE)	Christian Rathgeb (CASED, DE)
Oliver Bausinger (BSI, DE)	Christiane Kaplan (softpro, DE)	Arun Ross (MSU, US)
Piotr Bilinski (Univ. Oxford, UK)	Stefan Katzenbeisser (TUD, DE)	Heiko Rothnagel (FHG IAO, DE)
Thirimachos Bourlai (WVU, US)	Tom Kevenaar (GenKey, NL)	Raul Sanchez-Reillo (UC3M, ES)
Patrick Bours (GUC, NO)	Ulrike Korte (BSI, DE)	Stephanie Schuckers (CIU, US)
Sébastien Brangoulo (Morpho, FR)	Ajay Kumar (Poly, HK)	Günter Schumacher (JRC, IT)
Andreas Braun (FHG IGD, DE)	Harbert Lefroid (a-sit, AT)	Takashi Shiozaki (Fujitsu, JP)
Ralph Breithaupt (BSI, DE)	Guoqiang Li (GUC, NO)	Max Suijder (EAB, NL)
Julien Bringer (Morpho, FR)	Stan Li (CBSR, CN)	Luis Soares (ISCTE-IUL, PT)
Arslan Brömme (GI/BIOSIG, DE)	Paulo Lobato Correia (IST, PT)	Luuk Spreeuwers (UTW, NL)
Christoph Busch (CAST-Forum, DE)	Davide Maltoni (UBO, IT)	Syed Z. Syed Idrus (iKOM, MY)
Victor-Philipp Busch (Sybucca, DE)	Johannes Merkle (secunet, DE)	Elham Tabassi (NIIST, US)
Patrizio Campisi (Uni Roma 3, IT)	Didier Meuwly (NFI, NL)	Tieniu Tan (NLPR, CN)
Canjjan Chen (MSU, US)	Ennio Mordini (CSSC, IT)	Massimo Tistarelli (UNISS, IT)
Nathan Clarke (CSCAN, UK)	Juan Carlos Nolasco (AAU, DK)	Dimitrios Tzovaras (CIRaT, GR)
Adam Czajka (NASK, PL)	Elaïne Newton (NIST, US)	Andreas Uhl (COSY, AT)
Farzin Deravi (UKE, UK)	Mark Nixon (UoS, UK)	Markus Ullmann (BSI, DE)
Antitza Dantcheva (INRIA, FR)	Alexander Nouak (Fraunhofer, DE)	Raymond Veldhuis (UTW, NL)
Martin Drahansky (BUT, CZ)	Markus Nuppeney (BSI, DE)	Anne Wang (Cogent, US)
Andrzej Drygajlo (EPFL, CH)	Hisao Ogata (Hitachi, JP)	Jim Wayman (SJSU, US)
James Ferryman (UR, UK)	Martin Olsen (GUC, NO)	Peter Wild (AIT, AT)
Julian Fierrez (UAM, ES)	Javier Ortega-García (UAM, ES)	Andreas Wolf (BDR, DE)
Simone Fischer-Hübner (KAU, SE)	Michael Peirce (Daon, IR)	Bian Yang (GUC, NO)
Lothar Fritsch (NR, NO)	Dijana Petrovska (TSP, FR)	
Steven Fumell (CSCAN, UK)	Anika Pflug (CASED, DE)	
Sonia Garcia (TSP, FR)	Ioannis Pitas (AUT, GR)	
Marta Gomez-Barrero (UAM, ES)	Fernando Podio (NIST, US)	
Patrick Grother (NIST, US)	Kiran Raja (GUC, NO)	
Olaf Henninger (FHG IGD, DE)	Raghu Ramachandra (GUC, NO)	
Heinz Hofbauer (COSY, AT)	Kai Rannenberg (UM FFM, DE)	