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 2020 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 TeleTrustT-Association, the Norwegian Biometrics Laboratory (NBL), National Research Center for Applied Cybersecurity (ATHENE), 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**

- **30.05.2020**: Deadline for submissions
- **20.07.2020**: Notification of authors via e-mail
- **20.08.2020**: Deadline for final papers (ready for press)
- **14.09.2020**: German Biometric Working Group Meeting
- **14.-16.09.2020**: EAB-Research Project Conference
- **16.09.2020**: EAB European Research and Industry Award
- **17./18.09.2020**: EAB Biometrics Training Event
- **17./18.09.2020**: Main Conference: Talks and Presentations

**Invited Talks**

**Operator: John Boyd (OBIM): Importance of Face Quality Metrics for Operational Biometric Systems**

**Academia: Shiguang Shan (CASIA): Towards Domain-invariant Face Presentation Attack Detection**

**Industry: Reza Derakhshani (EyeVerify): TBD**

**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.