

The 1st Danish Biometrics Workshop

Copenhagen, 26 November 2015



Programme folder



Dansk Brand- og sikringsteknisk Institut

Jernholmen 12, 2650 Hvidovre
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Introduction

Biometrics has in recent years emerged as a reliable user-driven technology on the global markets, and the need for biometric solutions can be found in government, military and the commercial sector. Applications include enterprise-wide network security, border security, e-commerce and social services, of which some are already benefiting from these technologies. The development is driving questions on current technological developments, harmonization and trends.

Danish Biometrics is a new network and national point of contact for companies and universities working with biometrics in Denmark. The network was initially founded in 2006 by Frederik Kortbæk, but went through a reconstruction in 2008, and is now owned by DBI – The Danish Institute of Fire and Security Technology, whose intention is to strengthen the relations and the innovation in the community through network activities and establishment of a common platform for exchange of knowledge. The takeover of Danish Biometrics will be marked with a workshop at the 26th of November, which will feature some of the leading companies and universities within the biometrics sector for a day with talks on European research and innovation in Biometrics as well as standardization and technological trends.

Programme for 1st Danish Biometrics workshop

09.30 Registration and breakfast

10.00 Welcome and presentation of the “new” Danish Biometrics - (DBI)

10.10 ‘Speed networking’

All attendees would have the opportunity to greet face to face with each other in a series of brief exchanges during a set period of time. This allows the attendees to share their professional backgrounds and pitch their business goals.

11.10 Business presentations from the members of Danish Biometrics - (3 x 10 min.)

11.50 Lunch

12.30 Biometric projects within the EU Framework Programme for Research and Innovation (Alexander Nouak, European Association of Biometrics)

Biometrics and Identity Management are key research topics that are currently investigated in a number EU-projects running under the seventh Framework program and the new Horizon 2020. International research is dealing with innovative solutions for secure and privacy compliant biometrics and federated identity management.

Alexander Nouak, Chairman of EAB, will summarize the research results of the EU-projects in the field like FIDELITY, FastPass, BEAT, Future-ID, INGRESS, PIDaaS, ABC4EU and highlight the potential benefits of this research for the European society.

13.05 Biometric standardization and Presentation Attack Detection (Christoph Busch, Gjøvik University College)

Biometric recognition of individuals is an attractive authentication method based on the observation of behavioural and biological characteristics, such as face, iris or fingers. Such methods can constitute a comfortable alternative to knowledge based or token based authentication methods.



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The talk provides an overview of biometric applications and then covers selected biometric standards that are need to serve these applications.

A specific focus is given on the aspect of biometric presentation attack detection. The talk will reflect these standards against the opportunities that are provided by modern Smartphones for biometric applications.

Special attention is given to privacy enhancing technologies and related standards that provide protection of sensitive biometric data.

13.40 Coffee break (Poster session)

14.00 Presentation by Morpho (Safran)

14.35 DBI's biometric activities - (DBI)

14.50 Open discussion regarding Danish biometrics, harmonization and barriers on the Danish market

15.10 Evaluation and conclusion of the day

15.20 Good bye



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Invited speakers



Prof. Dr. Christoph Busch

Member of the faculty computer science and media technology

Gjøvik University College (GUC)

Norway

Christoph Busch is member of the faculty computer science and media technology at the Gjøvik University College (GUC), Norway. He holds a joint appointment with the computer science faculty at Hochschule Darmstadt (HDA), Germany. Further he lectures Biometric Systems at Technical University of Denmark (DTU) since 2007.

On behalf of the German Federal Office for Information Security (BSI) he has been the responsible project coordinator for the project series BioIS, BioFace and BioFinger, BioKeyS Pilot-DB – all projects dealing with biometric applications in general and performance and security testing in detail. In 6th EU research program he was initiator of the Integrated Project 3D-Face and is currently in FP7 partner in the EU-projects TURBINE, BEST Network, FIDELITY and INGRESS. He is also principal investigator in the Center for Advanced Security Research Darmstadt (www.cased.de).

Moreover Christoph Busch is co-founder and member of board of the CAST-Forum (www.cast-forum.de) that was established in 1999. Further he is co-founder and member of board of the European Association for Biometrics (www.eab.org) that was established in 2011 and assembles in the meantime more than 170 institutional members.

Christoph Busch co-authored more than 300 technical papers and has been a speaker at international conferences. He served for various program committees (NIST IBPC, ICB, ICHB, BSI-Congress, GI-Congress, DACH, WEDELMUSIC, EUROGRAPHICS) and served for several conferences, journals and magazines as reviewer (e.g. ACM-SIGGRAPH, IEEE CG&A, IEEE Transactions on Signal Processing, on Information Forensics and Security, on Pattern Analysis and Machine Intelligence and the Elsevier Journal Computers & Security). He is also an appointed member of the editorial board of the IET journal on Biometrics.

Since 2002 Christoph Busch is a member of the steering committee of the BIOSIG special interest group on Biometrics within the Gesellschaft für Informatik (GI). He was elected as chair of the group in 2008 and re-elected as vice-chair in 2015.

Furthermore, on behalf of Fraunhofer, he chairs the biometrics working group of the TeleTrust association as well as the German standardization body on Biometrics (DIN-NIA37). He is convener of WG3 in ISO/IEC JTC1 SC37 on Biometrics and active member of CEN TC 224 WG18.



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Alexander Nouak

Fraunhofer Institute for Computer Graphics Research IGD
Head of Competence Center Identification and Biometrics
Chairman of the European Association for Biometrics EAB
Germany

Alexander Nouak is head of the Competence Center "Identification and Biometrics" of the Fraunhofer Institute for Computer Graphics Research IGD in Darmstadt, Germany. He is responsible for the acquisition, the management, and the controlling of various applied research and development projects. His department staff currently consists of seven scientists, and, in addition, several guest researchers and student research associates.

Alexander Nouak was last coordinator of the project BEST Network funded within the 7th framework for research programme by the European Commission. Before he was responsible for "Research and Technology" within the Integrated Project "3D Face" funded within the 6th FRP that aimed for unattended border control. He is an active member of the DIN NIA 37 working group on biometrics as well as a contributor to the WG5 on "Biometric testing and reporting" of ISO/IEC JTC1 SC37. Since 2009, Alexander Nouak is a certified Common Criteria Evaluator (CC 3.1) and a member of IEEE. As a member of the Gesellschaft für Informatik (GI) he participates in the steering committee of the special group BIOSIG and he chairs the Biometrics Working Group of TeleTrust as a deputy. Alexander Nouak is co-founder and chair of the European Association for Biometrics.

Before joining Fraunhofer IGD he co-founded and managed zeitform Internet Dienste, a web hoster and Internet application provider with a strong focus on security in the field of information assurance and on virus and spam prevention. In collaboration with the Fraunhofer IGD the company zeitform Internet Dienste participated in several large-scale national projects. While working as a general manager for zeitform Internet Dienste, Alexander Nouak studied International Business Administration at the University of Applied Sciences in Darmstadt and received a degree in 2004. He also holds a degree as a master of information management from the same university which he received in 1999.



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Morpho (Safran) is a global leader in security and identity solutions for an increasingly digital and connected world.

They have more than 8,600 people employed in 55 countries and generated revenues of more than €1.5 billion in 2014. Backed by more than 40 years' experience in biometrics, their unique expertise lies in providing cutting edge technologies for a wide range of markets and applications for citizens, governments and business.

Morpho contributes to managing identities, protecting borders, detecting threats, ensuring law enforcement and providing trusted on-line transactions and services.



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Registration and fees

The Workshop takes place on **the 26th of November 2015**.

Participation fee for companies and research institutions is DKK 500,- exclusive VAT per participant (Participation fee will be deducted from membership fee if applying for membership before 31.12.15).

To register for the workshop participants are kindly asked to fill in the online registration form on <http://www.dbi-net.dk/kurser/?cid=6&pid=208> no later than the 19th of November 2015, by which your registration will be binding.

Students (including PhD students) can participate free of charge.

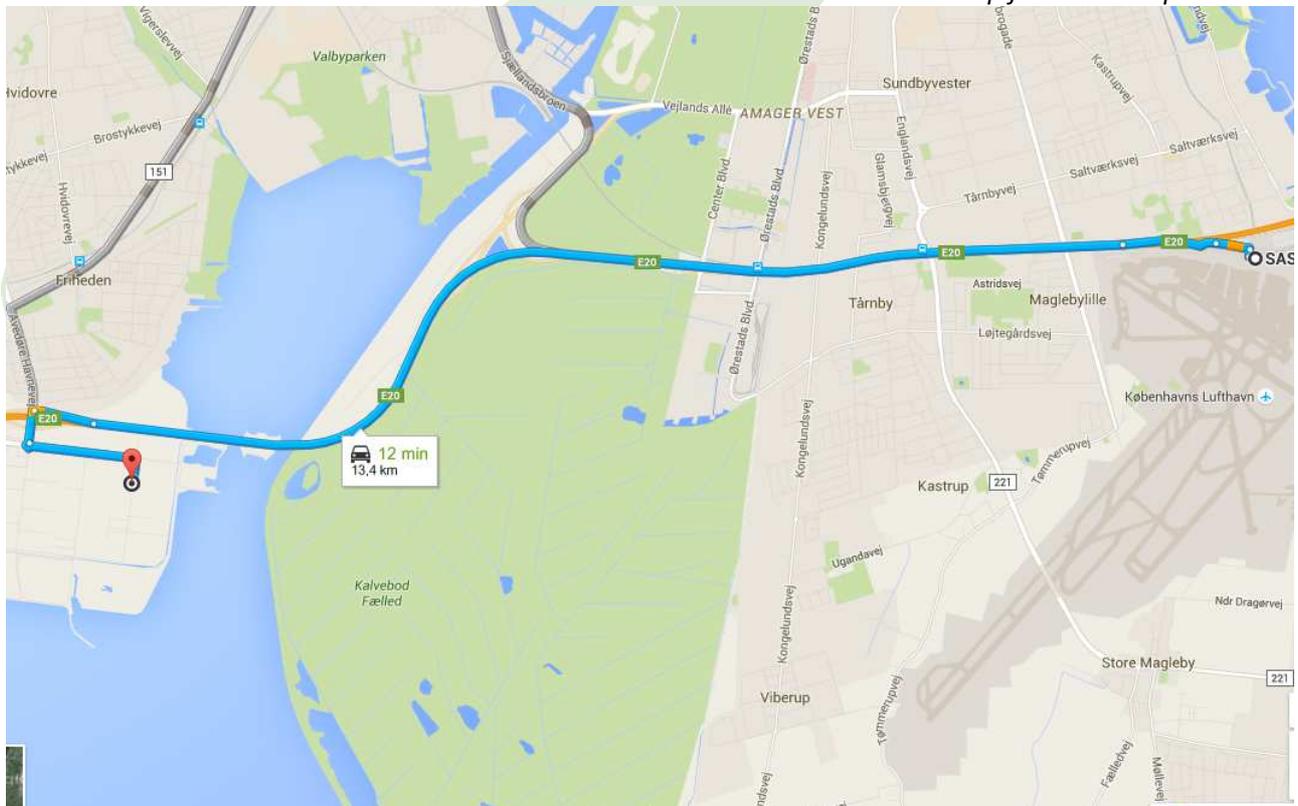
Location

The workshop takes place in the Fire and Security Centre (BSC centeret) at the address of The Danish Institute of Fire and Security Technology (DBI), which is about 12 minutes ride from Copenhagen airport.

The Danish Institute of Fire and Security Technology

Jernholmen 12
DK-2650 Hvidovre

Map from CPH Airport to DBI



Contact Information

Chairman

Martin Sandau
Consultant
Ph.D., Msc

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