

Report on EAB-IDIAP Winter Workshop in Martigny



The EAB and IDIAP Research Center resumed common activities in the area of advances in Biometrics at the joint February 20–21, 2020 Winter Workshop on PAD Evaluation and Certification in Martigny, Switzerland.

[Full story](#)

Academic Graduation Monitoring Report



EAB has composed the first annual Academic Graduation Monitoring Report that contain lists of entries of Bachelor-, Master- or PhD-theses and a short summary of each thesis.

[Full story](#)

EAB to take part in ID Week 2020



EAB is happy to announce its renewed cooperation with TERRAPIN, the organizer of the ID WEEK Conference and Exhibition, which will be held at the London Excel on June 9–11, 2020 and be built around 3 co-located events, DIGITAL ID 2020, SDW 2020, and PLANET BIOMETRICS 2020.

[Full story](#)

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Next events:

March 4, 2020: EAB/NBLAW 2020 – Norwegian Biometrics Laboratory Annual Workshop 2020

March 10 – 11, 2020: ProfitCard 2020: meet the digital payment challenge

March 17, 2020: German TeleTrust Biometrics Working Group

April 29 – 30, 2020: IWBF 2020 – 8th International Workshop on Biometrics and Forensics

May 7, 2020: Norsk Biometri Forum Meeting

Special reports:



Report on EAB-IDIAP Winter Workshop in Martigny



The EAB and IDIAP Research Center resumed common activities in the area of advances in Biometrics at the joint February 20–21, 2020 Winter Workshop on PAD Evaluation and Certification in Martigny, Switzerland.

Thanks to Dr. Sebastien Marcel, Head of Biometrics Security and Privacy group at IDIAP and Director for the Swiss Center for Biometrics Research and Testing, IDIAP's research group's premises were made available to the audience (49 registrations). It included a conference room for presentations as well as proper space for live products and application demonstrations related to various PAD challenges. A visit to IDIAP's own PAD certification Lab was also part of the program.

You can read the full report about the workshop at:

https://eab.org/files/newsletter/2020_Martigny_Winter_Workshop.pdf

Academic Graduation Monitoring Report



EAB has composed the first annual Academic Graduation Monitoring Report that contain lists of entries of Bachelor-, Master- or PhD-theses and a short summary of each thesis.

During the 2019 EAB general assembly in September it was proposed to compose an annual academic graduation monitoring report, which should provide information about academic theses that are completed in EAB member institutions. This report should provide an overview of the research going on in Europe.

The document will be a living document until the next general assembly in September 2020. Afterwards we will start the monitoring report for the year 2020.

You can review the draft at:

<https://www.eab.org/upload/documents/1799/EAB-research-report-2019.pdf>

EAB to take part in ID Week 2020



EAB is happy to announce its renewed cooperation with TERRAPIN, the organizer of the ID WEEK Conference and Exhibition, which will be held at the London Excel on June 9–11, 2020 and be built around 3 co-located events, DIGITAL ID 2020, SDW 2020, and PLANET BIOMETRICS 2020.

EAB's active participation to the roster of speakers and panelists will naturally be centered on the 3rd event of the 2020 ID WEEK edition.

We invite all our Members to attend, including also by participating in the new 1-Day Summits which will take place during the 2020 ID WEEK. Please refer to the event Website for further details!

Most recent international Biometrics projects and achievements will be reviewed, while nurturing interactive discussions around advanced challenges and shared opportunities for all stakeholders.

An event not to be missed! Read more about it at:

<https://www.terrapinn.com/exhibition/identity-week/index.stm>

Please get back to Jean Salomon for early enrolment at: jean.salomon@eab.org

PriMa Innovative Training Network is selecting PhD students



PriMa (Privacy Matters) is an Innovative Training Network (ITN) funded by the EU through the Horizon 2020 Framework. PriMa is a collaboration between 7 research locations and 7 industrial partner organisations and is now selecting PhD students.

PriMa has a focus on the analysis and mitigation of privacy risks in a rapidly digitalising society. One factor contributing to the erosion of privacy is the growth in recognition technologies that not only facilitate the recognition of individuals but also the inference from biometric data of emotional state, gender, health, age, and even profession. Another factor is the fast advancement of artificial intelligence, allowing for extensive data mining, and aggregation, linkage and inference of personal information. Hence, there is a real possibility that acceptable privacy may become unattainable unless technological and societal steps are taken to allow citizens to regain control of their personal information. Therefore, the overall objectives of PriMa are:

1. To train 14 creative, entrepreneurial, and innovative researchers as privacy protection experts.
2. To contribute to a full understanding of the multidisciplinary nature of privacy protection in a digitalised society.
3. To contribute to the development of solutions that address this important societal challenge.

PriMa will train a next generation of researchers to define, investigate and implement solutions that ensure secure and efficient privacy protection whilst keeping the advantages of a digitalised society, and provide them with transferable skills to enable effective planning, management and communication of research ideas and outcomes. This will give them excellent career opportunities.

PriMa will be hosting a recruitment event from the 22 till the 24th of March 2020 in Enschede, The Netherlands, where we will be selecting the 14 PhD students from a pool of 28 candidates. Most positions have already selected candidates, however there are still some opening for ESRs 1, 4, 7, 8, 10, 11 and 13, which are listed at: <https://www.prima-itn.eu/esrs/>

Applications for specific positions can be made via the links or emails in the descriptions. You can apply for more than one position.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No [860315].

NIST updated Results on FRVT 1:1 Verification Track

The U.S. National Institute of Standards and Technology (NIST) has published an updated report on the results for algorithms submitted to 1:1 Verification Track in the Face Recognition Vendor Test (FRVT).

The report includes results for eleven new algorithms from five new and six returning developers.

You can find the report at: <https://pages.nist.gov/frvt/html/frvt11.html>

NIST Interagency Report Draft on 1:n FRVT

The U.S. National Institute of Standards and Technology (NIST) has published an Interagency Report 8271 draft regarding results for algorithms submitted to ongoing 1:N Face Recognition Vendor Test (FRVT).

This report adds partial results for algorithms submitted to NIST since June 2019.

You can find the draft report at: https://pages.nist.gov/frvt/reports/1N/nistir_8271_draft_supplement_2020_02_26.pdf

Call for Papers: International Joint Conference on Biometrics 2020

The International Joint Conference on Biometrics (IJCB 2020), which will take place in Houston, USA in September 2020, is seeking paper submissions. The deadline is April 6.

The 2020 International Joint Conference on Biometrics (IJCB 2020) combines two major biometrics research conferences, the Biometrics Theory, Applications and Systems (BTAS) conference and the International Conference on Biometrics (ICB). The IJCB will be an exciting event for the entire worldwide biometrics research community. Topics of interest include biometric modalities, security, behavior analysis and forensics.

For more information please visit the conference web-page: <https://ieee-biometrics.org/ijcb2020>

LinkedIn Group for Entry/Exit System (EES)

To promote the exchange of experience between the interest groups from different European countries secure Security Networks AG created this LinkedIn Group to discuss dedicated processes and solutions.

With the decision of the European Parliament to introduce the common biometric Entry/Exit system (EES), Third Country Nationals, or TCN, will have to register with four fingerprints and a facial image when entering Schengen countries from 2021 onwards. Each Schengen state will be responsible for the national implementation into their border control infrastructure at sea, land and air borders, and for linking these to the EES.

The implementation of Entry/Exit systems is a tremendous challenge for border control authorities, airlines and airports and our industry must provide secure and future-proof solutions that serve all stakeholders.

LinkedIn group: <https://www.linkedin.com/groups/8733500/>

Open PhD positions at Hochschule Darmstadt

da/sec is offering two PhD positions in the course of the TReSPAsS project

In the course of the TRaining in Secure and PrivAcY-preserving biometricS (TReSPAsS) Marie Skłodowska-Curie Action the Biometrics Research Group of the University of Applied Sciences Darmstadt is seeking for two PhD candidates.

To combat rising security challenges, the global market for biometric technologies is growing at a fast pace. It includes all processes used to recognise, authenticate and identify persons based on physical and/or behavioural characteristics. The EU-funded TReSPAsS-ETN project will deliver a new type of security protection (through generalised presentation attack detection (PAD) technologies) and privacy preservation (through computationally feasible encryption solutions). The TReSPAsS-ETN Marie Skłodowska-Curie early training network will couple specific technical and transferable skills training including entrepreneurship, innovation, creativity, management and communications with secondments to industry. A cohort of early stage researchers will be equipped with the necessary skill set and capacity to innovate the next generation of secure and privacy-preserving biometrics technologies.

You can find more information at: <https://dasec.h-da.de/projects/trespas/>

User centric Privacy Tool to resist Unauthorized Machine Learning

An increasing number of service providers has started to harvest facial images from social media. While the functionality is desired from forensic institutions it is a concern for data subject.

Biometrics update has reported about new privacy preserving tool that can prevent face recognition from said harvested data.

Read more at: <https://www.biometricupdate.com/202002/new-face-cloaking-tool-100-percent-effective-against-amazon-microsoft-face-in-testing>

Call for Papers: AVSS 2020

The 17th IEEE International Conference on Advanced Video and Signal-based Surveillance (AVSS 2020) is the premier forum for the presentation of new advances and research results in the field of video and signal-based surveillance.

The goal is to provide a game-changing and cross-disciplinary forum that brings together experts from academia, industry, and government to advance the frontiers of theories, methods, systems, and applications. In the year 2020, we are proud to present this event in Washington DC, USA.

Workshop proposals due March 15th, 2020

Paper Submission April 5th, 2020

Decision to authors May 25th, 2020

Tutorials Proposals Due June 20th, 2020

Final camera-ready papers due June 12th, 2020

More information: <http://www.avss2020.org/>

Advancing facial technology to fight identity fraud through liveness detection

Identity theft is one the fastest growing crime in the US

In 2019, the Federal Trade Commission received 3.2 million reports of consumer protection issues. Out of these, the most common fraud reported in the last year was imposter scams and identity theft.

With an increase in massive and big-scale data breaches, traditional verification and authentication methods have been compromised. For instance, 5 million customer's data was stolen by hackers in a recent DoorDash data breach. The personal information including financial details and passwords was compromised and is prone to identity theft. Data breaches like these resulted in many cases of identity theft.

Read more: <https://www.biometricupdate.com/202002/advancing-facial-technology-to-fight-identity-fraud-through-liveness-detection>

US Customs and Border Protection upgrades Algorithm in Face Recognition System

The Customs and Border Protection (CBP) agency in the US is now upgrading its face recognition systems and will include latest versions of algorithms that performed best in the US NIST Face Recognition Vendor Test (FRVT)

According to the news portal nextgov.com CBP and NIST entered an agreement for full operational testing. Following many years of operational experience with face recognition at airports and land border an upgrade of the face recognition system is now planned for March 2020.

Read more at: <https://www.nextgov.com/emerging-tech/2020/02/cbp-upgrading-new-facial-recognition-algorithm-march/162959/>

Face Recognition for Mobile Access to States Websites in Portugal

The government of Portugal has created a face recognition service to all mobile access to states websites.

According to [portugal resident](#) the intention is to make mobile access more secure and more convenient at the same point in time. Following a 2019 tender it will be decided, which technology provider will contribute the algorithms.

Read more at: <https://www.portugalresident.com/government-wants-to-create-facial-recognition-system-for-state-websites/>

EU seeks Criteria for use of Biometric AI

According to a report of euractiv.com the European Artificial Intelligence strategy will be presented by Executive Vice-President Margrethe Vestager on February 19.

It seems that the EU is pursuing a ban on facial recognition in public spaces however there should be *clear criteria* in future mass-scale deployment of biometric identification systems in the EU. The draft paper indicates that an ecosystem of trust should give citizens the confidence to welcome artificial intelligence. The report also mentions serious concerns in relationship to facial recognition in public spaces.

EAB Biometric News,

Facebook pays 550 Million USD

Facebook executives have stated that the company will pay 550 Million USD to settle accusations on collecting in the state of Illinois facial mages without consent.

According to biometricupdate.com a company spokesman has stated that Facebook wants to put the case of accusations behind them. In the state of Illinois written consent from data subject is required before collecting facial data.

Read more at: <https://www.biometricupdate.com/202001/facebook-settles-biometric-face-tagging-suit-for-550-million>

EAB Biometric News,

Are you confused about bias in biometrics?

If the issue of bias – or demographic differentials – is confusing you, your colleagues or your customers, the podcast of the Biometrics Institute is for you.

Hear three of experts join chief executive Isabelle Moeller to explain the latest NIST report on demographic differences in face recognition systems. Terry Hartmann from Cognitec, Mick O’Connell from NEC and Sandra Leaton Gray from UCL Institute of Education discuss headlines and misinformation around bias, ethics and whether a ban on biometric technology is the answer.

Listen to the podcast: <https://www.biometricsinstitute.org/on-the-pulse-podcast/>

EAB Biometric News,

Indian National Automated Facial Recognition System

The Indian government has again postponed the sbumission deadline for bids regarding the procurement of the National Automated Facial Recognition System (AFRS).

The submission deadline is now 2020-03-27.

Read more at: <http://ncrb.gov.in/TENDERS/tenders.htm>

Open bids: [http://ncrb.gov.in/TENDERS/AFRS/Advt-Automated%20Facial%20Recognition%20System%20\(AFRS\)v2.pdf](http://ncrb.gov.in/TENDERS/AFRS/Advt-Automated%20Facial%20Recognition%20System%20(AFRS)v2.pdf)

Request for proposals: http://ncrb.gov.in/TENDERS/AFRS/RFP_NAFRS.pdf

Face Recognition Vendor Test (FRVT) MORPH Updated

The U.S. National Institute of Standards and Technology (NIST) has published an updated draft report on performance of automated face morph detection, which is also known as NIST-FRVT-MORPH.

The new report, which is demonstrating the current state of the art on Morphing Attack Detection (MAD) shows a leading position of various EAB members that are active in this research area.

You can find the report at: https://pages.nist.gov/frvt/reports/morph/draft_frvt_morph_report_2020jan24.pdf

Note that recently issued request for comments on the German anti-morphing law: <https://www.eab.org/news/eab-news.html/308>

See also the EAB news on the recent Frontex workshop on morphing attacks: <https://www.eab.org/news/eab-news.html/263>

For more information on the morphing problem and possible countermeasures you can read: <https://www.christoph-busch.de/projects-mad.html>

Report on the ISO/IEC JTC1 SC37 Meeting in New Orleans



The ISO/IEC JTC1 subcommittee on biometrics has met for its working group and plenary meeting in the city of New Orleans, US from January 20 to 24.

Working Group (WG1), which is in charge on biometric vocabulary, concepts, terms and definition has prepared during this week the publication of the 2020 edition of the Harmonized Vocabulary ([ISO/IEC 2382-37](#)), which received 310 comments prior to the week, which were successfully disposed. The Draft International Standard (DIS) circulation of [ISO/IEC 2382-37](#) will take place in February.

The WG2 that is working on biometric technical interfaces progressed the work on the revision [ISO/IEC 19785](#) Common Biometric Exchange Formats Framework, which is known under the abbreviation CBEFF (Part 1 and 2) and also on [ISO/IEC 30106](#) Object Oriented BioPAI part 2 and 3 all of which are now progressed to Final Draft International Standard (FDIS).

The [WG3](#), which is addressing the standardisation of the content, meaning, and representation of biometric data formats, image quality and presentation attacks in the biometric capture process has continued the work on the [ISO/IEC 39794](#) multipart standard on extensible biometric data interchange formats, for which the first three parts (Part1 [Framework](#), Part 4 [Finger image data](#) and Part 5 [Face image data](#)) had been published in December 2019 and will be adopted by ICAO later this year. The further parts of ISO/IEC 39794 that are under development contain [Part 2 Finger minutiae data](#), [Part 6 Iris image data](#), [Part 9 Vascular image data](#), Part 16 Full body image data and Part 17 Gait image sequence. WG3 also discussed the maintenance of the NFIQ2.1 reference implementation (available in [GitHub](#)) of [ISO/IEC 29794-4](#) and started equivalent standardisation work now for the assessment of face image quality.

The development of technical best practices, guidance, implementation requirements and biometric profiles that support the successful use and interoperability of biometric applications is the responsibility of WG4. This group has worked at the January meeting on [ISO/IEC 22604 Use of Contactless Biometrics in Access-Related Systems](#) and on the new work item [ISO/IEC 24358 Face-aware capture subsystem specifications](#).

For the standardisation of testing and reporting methodologies SC37 operates WG5, in which one of the most relevant standardisation projects is the revision of [ISO/IEC 19795-1 Biometric performance testing and reporting — Part 1: Principles and framework](#), that is currently under DIS ballot. Work of WG5 in the week in New Orleans was focused on [ISO/IEC 21472 Evaluation methodology for user interaction influence in biometric system performance](#).

WG6, which is responsible for the field of cross-jurisdictional and societal aspects in the application of ISO/IEC biometrics standards has progressed with the [ISO/IEC 22116 A study of the differential impact of demographic factors in biometric recognition performance](#) and the [ISO/IEC 24714 Jurisdictional and societal considerations for biometric applications](#).

The next working group meetings of SC37 will take place from July 12 to 17 in Singapore.