BEAT
Biometrics Evaluation and Testing
http://www.beat-eu.org/

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Theme SEC-2011.5.1-1
[Evaluation of identification technologies, including Biometrics]

D8.2: Intermediate dissemination activities

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Dissemination Level		
PU	Public	Yes
RE	Restricted to a group specified by the consortium (includes Commission Services)	No
CO	Confidential, only for members of the consortium (includes Commission Services)	No

D8.2: Intermediate dissemination activities

Abstract:

This deliverable is a report on the intermediate dissemination activities and is also an update of the initial planning.

Contents

1 Current or achieved dissemination activities

In the following, we briefly report some dissemination activity which BEAT partners, jointly or independently each others, are currently conducting or conducted successfully.

1.1 IDIAP

- (Achieved) Organizing of a "Spoofing Challenge" in conjunction to the International Conference on Biometrics (ICB) June 2013.

- (Achieved) Competition chair of the International Conference on Biometrics (ICB) June 2013.

- (Achieved) Papers at ICPR 2012/2014, BioSig 2012, ACM MM 2012, ICB 2013, IMAVIS 2013, CVPR WS Biometrics 2013, Interspeech 2014, ICASSP 2014, NIST IBPC 2014 and Odyssey 2014 (The Speaker and Language Recognition Workshop).

- (Achieved) Ph.D. Thesis of Laurent El-Shafey concluded.

- (Current) Book chapters for anti-spoofing on 2D face and evaluation metrics.

- (Current) Submission of papers to IJCB 2014, BioSig 2014 and TIFS.

1.2 UAM

- (Achieved) Organization of the International Conference on Biometrics (ICB), June 2013.

- (Achieved) Publication of papers on journals: Computer Vision and Image Understanding and IEEE Trans. on Image Processing, Pattern Recognition Letters, Information Sciences.

- (Achieved) Publication of papers on conferences: ICPR 2012, CIARP 2012, ICB 2013, ICCST 2013, Black Hat USA 2012.

- (Current) Presentation of papers at ICPR 2014.

1.3 UNIS

- (Presented) Blur kernel estimation to improve recognition of blurred faces at ICIP 2012.

- (Presented) Presentation of a paper entitled "A Discriminative Parametric Approach to Video-based Score-level Fusion for Biometric Authentication" at ICPR2012 in Japan.

- (Published) Preparation of an invited book chapter entitled "An Analysis of Biometric Performance Change Over Time: A Multimodal Perspective", which will contribute to the book " Age factors in Biometric Processing", edited by Prof Michael Fairhurst. We subsequently gave a talk on Multimodal Ageing (and habituation) at NIST IBPC 2014: http://youtu.be/Ad-GdKzInA0)

- (Current) Serving in the IEEE Biometrics Council – Education Committee (`http://www.ieee-biometrics.org/about`)

- (Cancelled) Delivering lectures at Institute of Automation, Chinese Academy of Sciences, Beijing, China, in November 2012. [I wonder if we should delete this?]

- (Delivered) Delivering a training workshop for IEEE Certified Biometrics Professional (IEEE CBP) in Kuala Lumpur, Malaysia, tentatively planned scheduled for September 2012.

- (Delivered) Organisation of Biometric School 2013 (Winter Edition) in Malaysia. This took place on 6-9 January 2014. Presented a talk entitled 'Biometric Evaluation and Testing Using the BEAT Platform'

- (Delivered) A talk entitled: 'Biometric Menagerie' with reference to D3.5 at the Biometrics Working Group Meeting Number 64 held on the 13th of February 2014 at The Royal Netherlands Embassy, London

- (Published) Preparation of an invited book chapter entitled "State-of-the-Art LBP Descriptor for Face Recognition", which will contribute to the book " Introduction to Local Binary Patterns: New Variants and Applications", edited by Sheryl Brahnam, Lakhmi C. Jain, Loris Nanni, Alessandra Lumini.

1.4   EPFL

- (Achieved) Publication of a paper entitled "Outsourced Pattern Matching" at ICALP 2013, Springer, 2013. Sebastian Faust, Carmit Hazay and Daniele Venturi.

- (Current) other papers in submission

1.5   CHALMERS

- (Achieved) Invited presentation and publication entitled "A Privacy-Preserving biometric authentication protocol revisited", at YACC 2014, Aysajan Abidin and Aikaterini Mitrokotsa.

- (Achieved) The participation in BEAT allowed Chalmers to participate in various new research collaborations and research projects at international levels (including for example research collaborations with Belgium, Switzerland, France) and international, including Horizon2020 proposals (list confidential).

- (Current) Active participation in various symposia and workshops of the European Association for Biometrics, (2012 - present).

- (Current) Chalmers also actively participates in the transfer of the knowledge and expertise gained in BEAT in academic courses bachelor thesis project and master thesis project.

- (Current) Other papers in preparation for submission.

1.6   TUBITAK

- (Achieved) Preparation and presentation of several papers at IBPC (International Biometric Performance Testing Conference) 2014, IEEE SIU 2014.

- (Current) Preparation and submission of a paper on biometric hashing to the tenth International Conference on Intelligent Information Hiding and Multimedia Signal Processing 2014 which will be held on August 27-29, 2014 in Kitakyushu, Japan.

- (Current) Preparation and submission of a paper on biometric hashing to the International Joint Conference on Biometrics (IJCB 2014).

- (Current) Preparation and submission of a paper (named THRIVE) IEEE Transactions on Information Forensics and Security journal.

- (Current) Involved in the discussion with international experts by organizing brainstorming meetings on privacy preservation tachnologies for biometrics and joint usage of biometrics with cryptographic primitives.

- (Current) Involved in the discussion with national stakeholder (i.e. Ministry of Interior, Turkey) on biometric security and privacy.

1.7   CEA

- (Achieved) none

- (Current) Involved in the discussion with Certification Bodies to create a subgroup for technical discussions on evaluation of biometric security.

1.8   MORPHO

- (Achieved) Publication of a journal paper entitled "Privacy-Preserving Biometric Identification Using Secure Multiparty Computation: An Overview and Recent Trends," at IEEE Signal Processing Mag. 2013.

- (Achieved) Presentation of SC27 works related to biometrics and BEAT entitled "IT Security Standards ISO/IEC SC27" at a session on Standards, Biometrics 2012, London.

- (Achieved) Submission of a book chapter on Secure Multiparty Computation for biometric recognition.

- (Achieved) Publication of a journal paper entitled "Protection des données biométriques pour le respect de la vie privée" at Revue de l'Électricité et de l'Électronique, 2013.

- (Current) Already involved on SC27 and SC37 discussions on biometric security.

- (Current) Involved in the discussion with Certification Bodies to create a subgroup for technical discussions on evaluation of biometric security.

- (Current) Contribution to communicate and support BEAT results towards ISO or CEN standardization activities, with in particular an active participation to the ongoing projects related to antispoofing evaluation and template protection evaluation.

1.9 KULEUVEN

- (Achieved) Book chapter and thesis.

- (Achieved) The participation in BEAT allowed KU Leuven to participate in various new research collaboration in new RTD projets at various levels, national (including for example research collaborations in Belgium, Switzerland, the Netherlands, Norway and the United Kingdom) and international, including Horizon2020 proposals (list confidential).

- (Current) KU Leuven also actively participates in the transfer of the knowledge and expertise gained in BEAT in academic courses, including the teaching in the ManaMa (Master after Master) IP/ICT course at the KU Leuven HUB Brussels (2012-2014). KU Leuven also gave input in teaching on data protection issues for engineer students in Norway (GUC).

- (Current) Active participation in General Assembly and various symposia of the European Association for Biometrics, (2011 present)

- (Current) Invited Chair of Panel "Ethical and Privacy issues of Biometrics and Identity Management" planned at the EAB-RPC programme in Darmstadt, Fraunhofer IGD, 8-9 September 2014

- (Current) Invited expert CPDP panel "Privacy practices in Biometric Applications", CPDP, Reforming Data Protection: the Global Perspective, Brussels, 2014

- (Current) Invited expert by Ministry of the Interior and Royal Affairs, the Netherlands, for Expert platform on Identity (2013-present)

- (Current) Invited expert in EU wide group on Breeder documents, initiated by the Joint Research Center (JRC) of the EU Commission (2013-present)

2 Planned dissemination activities

In the following, we briefly report some dissemination activity which BEAT partners, jointly or independently each others, are planning to conduct.

2.1 IDIAP

- (Planned) Organization and participation to the BEAT Workshop during the EU Research Project Conference.

- (Planned) Organization of an IJCB 2014 workshop on the BEAT platform.

- (Planned) Book chapter on Introduction to Anti-Spoofing to be submitted.

- (Planned) Submission of papers to TASLP 2014, BTAS 2015, FG 2015 and TIFS.

- (Planned) Talks on BEAT at various events (Homeland Security Conference Abhu Dabi, Biometrics London, EAB Symposium).

2.2 UAM

- (Planned) Submission of papers to IJCB 2014

- (Planned) Submission of papers to IEEE Trans. on IFS SI on Spoofing, Proceedings of the IEEE

- (Planned) Submission of papers to Black Hat USA 2014

- (Planned) Submission of papers to Pattern Recognition Letters, IEEE Trans. on PAMI

2.3 UNIS

- (Planned) Submission of papers to IJCB 2014, PR, PAMI, ICPR, ICB, BTAS, ECCV workshop BeFIT on topics around Benchmarking Facial Image Analysis Technologies

- (Planned) To provide materials for BIOSIG conference 2014 on Evaluation of Biometric Performance. The talk will be delivered by Julien Fierrez.

- (Planned) Organisation of a tutorial entitled 'Biometric Menagerie and its impact on performance calibration and system evaluation' at BTAS 2014.

2.4   EPFL

- (Planned) participation to the BEAT Workshop during the EU Research Project Conference

2.5   CHALMERS

- (Planned) Submission of papers to CANS, SAC and other security related conferences and journals

- (Planned) Presentation of a paper entitled "A privacy-preserving biometric authentication protocol" at YACC 2014

2.6   TUBITAK

- (Planned) Participation to the BEAT Workshop during the EU Research Project Conference and making a presentation on privacy preservation technologies for biometrics in the conference

- (Planned) Submission of papers to the 8th IAPR/IEEE International Conference on Biometrics (ICB) 2015, Biometrics Theory, Applications and Systems (BTAS) Conference 2015, the 11th IEEE international Conference on Automatic Face and Gesture Recognition 2015, the 23th Signal Processing and Communications Applications Conference (SIU 2015) and IEEE Transactions on Information Forensics and Security journal.

- (Planned) Talks on BEAT at various events on biometrics, security and privacy.

2.7   CEA

- (Planned) participation to the BEAT Workshop during the EU Research Project Conference

2.8   MORPHO

- (Planned) Submission of papers to BTAS, ICB (or IJCB), IFS, WIFS, or embedded security (CARDIS, COSADE) conferences/journals

- (Planned) Presentation of a paper entitled "Studying Leakages on an Embedded Biometric System Using Side Channel Analysis" at COSADE 2014

2.9   KULEUVEN

- (Planned) KU Leuven, being an academic institution, plans to continue to work and use the results of the legal research in BEAT in the four forementioned areas for the next 18 months, as as planned and described in D8.1.