

PROJECT NEWSLETTER 4/2015

ABC4EU actively presented in several seminars

We at ABC4EU have been closely following the latest trends and issues on biometric technologies as well as privacy and legal matters regarding biometrics. Many of the consortium partners have been actively participating in many recent conferences and workshops, some of which presented the latest developments of ABC4EU project itself.

Laurea as the End-User Integration Working Group coordinator

During 2015 fall, Laurea University of Applied Sciences has been actively participating in a number of seminars. Important work on the EUIWG has been made with networking and contacts to participate in the upcoming EUIWG Seminar, which unfortunately was postponed until spring 2016. With the new dates approximated to be set in April, also the invitees have a better opportunity to schedule their participation to the event, providing for the added value from their expertise for our project.

Two events in particular have been important for gathering EUIWG members. The conference organized by Biometrics Institute in London on October 13th – 15th where topics such as the state-of-the-art solutions for commercial use as well as the latest benefits for law enforcement were presented, and the workshop on “Preserving privacy in an age of increasing surveillance” held on October 19th in London, organized by European Association for Biometrics (EAB) in cooperation with IBM Emerging Technologies.

Few things worth mentioning are that during the three-

day seminar on the first conference, there was also an exhibition on the latest innovations, where also other ABC4EU partners Cognitec and Dermalog had their stands. Seminar speakers were from all around the world, from small technology manufacturers to the large international organizations, like the Interpol and so on. Moreover, biometrics were also studied from different points of view, with privacy and legal issues laying the ground during the first day. Also, the 2nd generation biometric passports were presented, with a special emphasis on the certificates to be able to read the encrypted personal data from the information chip.

In the latter event, primary focus was given to privacy issues surrounding biometric technologies and applications. Helping to understand key problems and trends of biometrics used not only in border security but also in other sectors as well; such as private businesses, educational institutions and so on. Many challenges were presented and many new ideas on addressing these issues were shared among the participants. The need for data protection as well as efficient and effective technologies were few of the many hot topics discussed.

Eticas (Spain), presented the results from ABC4EU at the “Profile, Predict and Prevent - Data-driven policies, markets and societies” conference, held in Paris On the 30th October 2015.

The conference focused on how states, market actors and citizens use big data analysis and inference techniques, to profile, predict and, in certain cases, prevent citizen behavior. Within this conference, researchers, experts and practitioners from different backgrounds reflected upon legal, ethical and social implications of data-driven policies, market transactions and quantified-self techniques.

Summary of the 8th IEEE International Conference on Intelligent Data Acquisition and Advanced Computing Systems: Technology and Applications (IDAACS'2015) Warsaw, Poland, September 24-26, 2015

This annual conference explored various aspects of data acquisition and signal/image processing, especially in industrial environments and in daily-life applications. The goal was to provide a forum for presenting theory, technology and applications of intelligent data acquisition and advanced information processing systems used in measurement, automation, scientific research, industry and business. Rapid developments in these areas have resulted in more intelligent, sensitive, and accurate methods of data acquisition and data processing in manufacturing, environmental and medical monitoring systems, and laboratory measurement equipment.

The meeting discussed some hot topics in measurement and data acquisition, which are relevant for technologies and system infrastructures used in ABC gates and systems. Also, their possible additional exploitations in other applications related to ambient intelligence and adaptive environments for enhancing the quality of our daily life.

Vincenzo Piuri from University of Milan, presented the use of computational intelligence technologies for biometric applications. This talk analyzed the opportunities offered by biometric technologies and applications to support the realization of adaptable operations and intelligent services, based on a user-centric philosophy. Attention will be also given to a comprehensive system design methodology to take into account all application requirements, including the need for privacy protection, by exploiting the adaptable characteristics offered by the computational intelligent techniques (namely neural networks and fuzzy systems). Various other reports addressed issues related to measurement accuracy in signal and image processing, also from the point of view of approaches suited for biometric trait collection.

EVENTS WHERE ABC4EU IS REPRESENTED DURING 2015

Smart Border Conference. November 23th-25th, 2015 London, UK.
<http://www.smarterborders.com/>

www.abc4eu.com
www.forum.abc4eu.com

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