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Vincenzo Piuri (UMIL) gave a keynote speech “Emerging Biometric Technologies for Automated Border Control Gates” at PRIP 2016 in Minsk, Belarus

ABC4EU partner, Vincenzo Piuri from Università degli Studi di Milano gave a keynote speech in the XIII International Conference on Pattern Recognition and Information Processing (PRIP 2016) in Minsk, Belarus on October 3-5, 2016. The main goal of the conference was to provide a forum for presenting theory, technology and applications of image and signal processing used widely in different fields, including security and automation.

The conference gathered together around 150 experts in signal and image processing theory, technology and applications in a friendly and engaging atmosphere at the Belarus State University in Minsk. Vincenzo Piuri outlines that the attendance was mainly composed by academic researchers and industry professionals from around the world, which enabled for a good interaction especially in the perspective of actual usability in applications. Dr. Piuri summarizes that significant interest and activities are present in the area of biometrics for automated border control and other security applications.

Dr. Piuri describes that the meeting discussed some hot topics in image processing, which are relevant for technologies and system infrastructures used in ABC gates and systems, as well as for their possible additional exploitations in other applications.

Vincenzo Piuri presented recent technologies and innovative trends in biometrics in automated border control applications. His keynote speech analyzed the opportunities offered, in particular, by less-constrained approaches, based on a user-centric philosophy. Attention was given to usability as well as accuracy, especially in critical environmental conditions and partial biometric images. Especially technology and privacy issues raised interest amongst the researchers which continued to provide more information for the interested participants.

Dr. Piuri outlines that other presentations addressed issues related to measurement accuracy in signal and image processing and also from the point of view of approaches suited for biometric trait collection, including 3D imaging and modeling.

After the conference, the participants had a possibility to visit several laboratories and discuss about recent research activities in Belarus State University.

**ABC4EU & Smart Borders Initiative:
improved security and facilitation of external**

borders crossing.

Alberto Crespo from Atos Spain, was invited as a keynote speaker at the World eID & Cybersecurity conference on the 28th of September in Marseille, France.

Mr. Crespo in his speech presented how ABC4EU will optimize ABC processes across the Schengen area, and the benefits it will provide for the border guards and travellers in the near future. Moreover, how the Smart Borders package will modernise the Schengen area's external border management by improving the quality and efficiency of border crossing processes.

The present Automated Border Control System can only be used by passengers with European Union Member States', European Economic Area's or Swiss' e-Passport recognized by microchip symbol. With that regard, Mr. Crespo discussed how ABC4EU will develop that the ABC system can also process the Third Country Nationals' (TNC) data. He also presented more thoroughly the ABC4EU system model.

The Automated Border Check (ABC) will accept ePassports and eIDs from certain nationalities and will be offered as a self-service. Some of the new features of the ABCs will be their operational speed, the constant quality of service, the unprejudiced processing of data, the operational accuracy, and the overall aid in prevention of crime and human trafficking.

