

Biometric Consortium 2005 Conference



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Topic: Data Quality, Interoperability, Biometrics Fusion, and Template Ageing: Challenges for ePassports

Abstract: This talk reports on practical experiences gained in various e-passport projects. Some questions to be answered on the way to a fully operational, world wide system of interoperable border control applications, are discussed. The topics we deal with include RFID interoperability of passports and readers in a huge open user group, standards and their role, increased security by combination of classical security booklets with electronics, user acceptance and privacy, document validity periods vs. template ageing of biometric data and durability of the chip, biometrics interoperability and how to reach it, recognition performance and multi-biometrics fusion, special properties of automated border control kiosks. Possibly, the presentation will remain more questions open than it answers, but, as mentioned before, it reports on current projects in a new market.

Biography: Dr. Andreas Wolf studied Mathematics with the minor subjects Computer Science and Theoretical Physics at Humboldt University Berlin, Germany. After receiving the diploma in Mathematics in 1992 he worked in Berlin and Munich on several research projects relating to automated and interactive theorem proving and its applications. Since 1999, he has held a Ph. D. in Computer Science from Munich University of Technology. In the following years, he worked with NorCom Information Technology AG, Munich, as Technical Product Manager for IT Security Products on Access Control products applying RBAC like models. Furthermore, he worked with VOICE.TRUST AG, Munich, as Technical Director. There, he was responsible for technology acquisition and development in the field of speech biometrics as well as for certifications of telephony based speaker recognition products. He initialized the first European Common Criteria certification of a biometric product together with the TÜV Informationstechnik GmbH, Essen, as the evaluation body. Since October 2004, Dr. Wolf has worked with Smiths Heimann Biometrics GmbH, Jena, as Technology Manager Biometrics. Dr. Wolf has published several book and journal contributions as well as several conference papers.