



OO/UC3M/24 - IDENTITY MANAGEMENT TECHNOLOGY

This offer comes from researchers and professors from a Spanish University. They offer solutions in Identity Management for human beings (from Identification Cards to Biometrics).

They offer cooperation in R&D task, as well as Assisting in Management, Dissemination of results and Standardization. They have proved experience in both national and european projects (e.g. eEpoch, BioSec).

Descripción de la tecnología

The researchers and professors here referenced, are part of the Microelectronics and Applications Group in the Universidad Carlos III of Madrid (Spain). Since 1994 they have worked in Identification Cards (smartcards, RFID, etc.), Security in ICT (specially in the user authentication process) and Biometrics.

Several Technologies are used, considering themselves as a multidisciplinary group. Related to base technology, they work with all kind of Identification Cards and Tokens, and use all different ways to protect communications (secret key, PKI, authentication mechanisms, etc.). Related to Biometrics, they have developed their own systems based on different modalities such as iris, hand geometry, hand veins, fingerprint, etc., also working in multimodality.

At the integration level, they presented in 1999 the first Match-on-Card system using iris and hand geometry in a JavaCard. Also they have developed several projects for a great variety of clients.

They work intensively in Standardization, holding the Spanish Secretariat for the Biometrics National Body, and taking part in the international meetings of ISO/IEC JTC1 SC37, as well as ISO/IEC JTC1 SC17 WG11.

One of their latest research lines is in the development of Evaluation Methodology for the Security in Biometric Systems, following the steps given by Common Criteria.

Aspectos innovadores

- Multidisciplinary approach to Identity Management
- Expertise in Technology Evaluation (covering both functionality/performance and security)
- Expertise in Standardization.

Ventajas competitivas

- Improvement at the identification process related to the user (better convenience, confidence and ease of use).
- Adaptation of the best solution depending on the context where the user is trying to be identified.

Palabras clave

Biometrics; Security; Standardization.

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