International Workshop on Multi-Modal Biometrics (MMB2010)

Under the framework of the 10th International Conference on Intelligent Systems Design and Applications, ISDA'10
November 29 – December 1, 2010, Cairo, Egypt
Conference web page: http://cig.iet.unipi.it/isda2010/

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Introduction: Information security is a vital component of any information system that provides multi-user access. Typically, security measures rely on the use of user IDs and passwords as the sole mechanism for controlling access to information resources. The strength of password protection is therefore paramount in providing the required level of security. The reliability of passwords is dependent upon their complexity and how well they are secured. Typically, users tend to make their passwords simple and hence easy to remember. The field of computer biometrics has been developed in order to address issues of enhancing the security of vital information stored on computer systems. Biometrics is typically partitioned into physiological or behavioral biometrics (more recently a new approach termed cognitive biometrics has emerged) – the former utilising such technologies as finger print and retinal/iris scanners, the later relying on user individual differences in the way we speak, produce a signature, or the way we type (keystroke dynamics). Cognitive biometrics relies on the emotional and/or cognitive state of the user for authentication. When biometrics are used instead of (or to augment typical password based protection – as is the case with keystroke dynamics), security is enhanced significantly. In addition, by deploying combinations of these various types of biometrics (multi-modal biometrics), user security can be enhanced to almost any desired level – depending on the security requirements and how much effort we wish to impart on the user. This workshop welcomes submissions on implementations on any aspect of biometrics, with a special emphasis on the deployment issues in multi-modal biometrics.

- Physiological, behavioral, cognitive biometrics
- Multi-modal biometrics – design issues
- Implementation issues
- Industry standards issues
- Novel approaches to biometrics
- Machine learning approaches to multi-modal biometrics
- Ontological engineering for integration of a variety of biometric modalities.
- Multibiometric systems.
- Multimodal interfaces.
- Pattern recognition and analysis.
- Biomedical signal analysis and processing.
- Intelligent data engineering.
- User dynamics in Graphical authentication systems.
- any related topic to computer based biometrics

Program Committee:

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Instructions for Authors:

Papers must correspond to the requirements detailed in the (Paper Submission) on the conference flyer http://cig.iet.unipi.it/isda2010/flyer.pdf

Registration Fees:

All papers must be presented by one of the authors, who must pay the registration fees.
http://cig.iet.unipi.it/isda2010/

Paper Reviewing and Publication

Submitted papers will be reviewed. Accepted papers, which should not exceed 6 pages (PDF) following the double column IEEE format. All accepted papers will be published in the proceedings of the ISDA'10. Selected papers will be published in special issues of a selection of International Journals (to be announced).

Tentative Dates of Submission and Acceptance

- Deadline for paper submission June 26, 2010
- Notification of acceptance August 14, 2010
- Camera-ready manuscript submission September 15, 2010

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