

Biometric System Laboratory

DEIS - University of Bologna



Welcome to BioLab

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"Biometric Systems are automated methods of verifying or recognizing the identity of a living person on the basis of some physiological characteristics, like a fingerprint or iris pattern, or some aspects of behavior, like handwriting or keystroke patterns"

The Biometric System Laboratory is active at the [University of Bologna](#) since 1993 and is supported by [DEIS \(Department of Electronics, Computer sciences and Systems\)](#) and [Computer Science degree course - Cesena](#). The main research efforts are devoted to fingerprint and face recognition and to performance evaluation of biometric systems. Collaborations with industrial partners ensure that the research activities are linked to real applications.

Location

Scienze dell'Informazione - Università di Bologna
via Sacchi 3, 47023 Cesena (FC) - ITALY

Highlights



[Handbook of Fingerprint Recognition \(Second Edition\)](#) **N**

D. Maltoni, D. Maio, A.K. Jain, S. Prabhakar
Springer, London, 2009.



[FVC-onGoing: On-Line Evaluation of Fingerprint Recognition Algorithms](#) **N**

FVC-onGoing is the latest evolution of FVC: the international Fingerprint Verification Competitions organized in 2000, 2002, 2004, and 2006.

FVC-onGoing is an innovative web-based automated evaluation system for fingerprint recognition algorithms. Tests are carried out on a set of sequestered datasets and results are reported on-line by using well known performance indicators and metrics.

Academic Research Groups, Companies and independent developers are kindly invited to register and submit algorithms to FVC-onGoing.



[ICEB - The Third International Conference on Ethics and Policy of Biometrics and International Data Sharing](#) **N**

Hong Kong - January 4 - 5, 2010

This conference will mainly focus on the ethics and policy research, with an emphasis on the interplay of two or more of the major focus areas. The program committee especially encourages research papers in non-traditional topics.



[Applied Biometrics - Track of the 25th ACM Symposium on Applied Computing](#) **N**

Sierre, Switzerland - March 22 - 26, 2010

From a commercial perspective, the market of biometric applications has gained significant momentum in the past ten years. On the one hand, ensuring the safety of the citizens has become a major concern for most of our governments. On the other hand, a large deal of IT applications such as e-commerce, e-banking and health monitoring has triggered a real need for reliable, user-friendly, and widely acceptable control mechanisms for checking the identity of an individual. Commercial products based on biometrics are now available from different vendors. However, field deployment has raised many technical and non-technical issues which are still open and need to be tackled.



[Special Session on Forensic Image and Video Processing - 6th International Symposium on Image and Signal Processing and Analysis \(ISPA 2009\)](#)

Salzburg, Austria - September 16 - 18, 2009

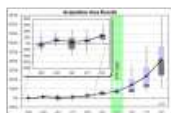
The objective of this Special Session is to bring together researchers and police forces in order to answer new forensic challenges with the state of the art image and video processing research.



[ICB 2009 - The 3rd International Conference on Biometrics - PAPER SUBMISSION DEADLINE EXTENDED TO NOVEMBER 10th](#)

Alghero, Italy - June 02 - 05, 2009

ICB 2009 will provide a unique forum, into a magnificent setting, to allow researchers, engineers, system architects and designers to report recent advances in the area of biometrics and related technologies.



[Scanner Quality](#)

BioLab introduced a new operational definition of fingerprint scanner quality.



[Quaderni CNIPA sulla Biometria \(Italian language\)](#)

Materiale introduttivo sui Sistemi Biometrici e il loro impiego nella Pubblica Amministrazione, alla cui redazione hanno partecipato membri del laboratorio: Quaderno 9, Quaderno 15 e Quaderno 17.



[Biometric Systems: Technology, Design and Performance Evaluation](#)

J. Wayman, A.K. Jain, D. Maltoni, D. Maio (Editors)
Springer, New York, 2005.



[SFinGe: The Synthetic Fingerprint Generator](#)

The demo version of SFinGe v2.5 can be freely downloaded.

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