

## Third COST 275 Workshop

# Biometrics on the Internet

University of Hertfordshire, Hatfield, UK

27-28 October 2005

### Registration form

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_

FAX: \_\_\_\_\_

E-mail: \_\_\_\_\_

I would like to participate

I would like to submit a paper

I would like to propose a demonstration (Special Session)

Please complete this form and send it by mail or fax to the Workshop Secretary.

The Workshop early registration fee is €100. Additional fees are applicable for the use of the demo area. Please contact the Workshop Secretary for further details.

For payment methods and a downloadable registration form please visit the Workshop website: <http://www.fub.it/cost275/uk2005>.

For further information please contact the Workshop Secretary.

### PROGRAMME COMMITTEE

Aladdin Ariyaeinia	University of Hertfordshire, UK
Jean F. Bonastre	University of Avignon, FR
Herve Boulard	IDIAP, CH
Gerard Chollet	ENST, FR
Andrzej Drygajlo	EPFL, CH
Mauro Falcone	FUB, IT
Carmen Garcia-Mateo	University of Vigo, ES
Josef Kittler	University of Surrey, UK
Javier Ortega Garcia	University Poly of Madrid, ES
Andrea Paoloni	FUB, IT
Nikola Pavesic	University of Ljubljana, SL
Ioannis Pitas	University of Thessaloniki, GR

### SCIENTIFIC COMMITTEE

Please visit the Workshop website:  
<http://www.fub.it/cost275/uk2005>

### ORGANIZING COMMITTEE

Aladdin Ariyaeinia	University of Hertfordshire, UK
Mauro Falcone	FUB, IT
Nandini Alinier	University of Hertfordshire, UK
Johann Siau	University of Hertfordshire, UK
Anthony Herbland	University of Hertfordshire, UK

### WORKSHOP SECRETARY/ WEBSITE

COST 275 Workshop  
ECEE, University of Hertfordshire  
Hatfield, AL10 9AB, UK  
Fax: +44 (0)1707 284199  
Email: [cost275.workshop@herts.ac.uk](mailto:cost275.workshop@herts.ac.uk)  
<http://www.fub.it/cost275/uk2005>

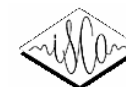
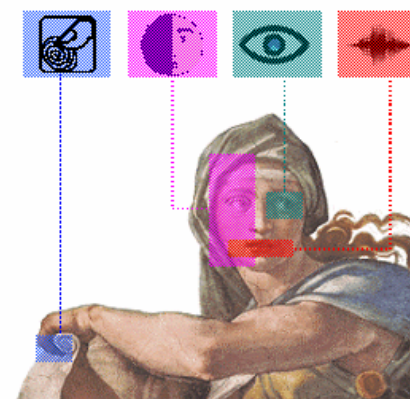
### WORKSHOP SPONSORED/SUPPORTED BY:

**COST-TIST** - European Co-Operation in the Field of Scientific and Technical Research - Telecommunications, Information Science and Technology  
**UH** - University of Hertfordshire, UK  
**FUB** - Fondazione Ugo Bordoni, Italy  
**IEE/PN-VIE** - Institution of Electrical Engineers/ Professional Network - Visual Information Engineering  
**IEEE UKRI CAS** - Institute of Electrical and Electronic Engineers  
**ISCA** - International Speech Communication Association  
**EBF** - European Biometrics Forum  
**T-Mobile (UK) Ltd**  
**SpLC** - Speaker and Language Characterisation - A Special Interest Group of ISCA

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# Biometrics on the Internet

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Hatfield, UK  
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## COST ACTION 275

COST Action 275 is concerned with biometrics-based recognition over the Internet in order to facilitate, protect and promote financial and other services over this growing telecommunication medium. The motivation behind this Action is the fact that an increasing number of online applications require a reliable means of identification of users. There are numerous examples of such applications including Internet banking, online trading, remote management of confidential databases and access to personal information. The conventional means of identification (e.g. passwords, personal identification numbers) can be easily compromised, observed or forgotten. In view of this, it appears that the required optimal reliability in determining the identities of users may only be achieved through the use of biometrics. A main advantage of this technology is that it is not susceptible to the above-mentioned problems. Moreover, biometric data can be easily captured, stored, processed and described electronically. The challenges involved in the delivery of biometrics over the Internet, however, are nontrivial and have recently become a research focus for workers in such diverse fields as communications, signal processing and network security.

### WORKSHOP ORGANISED BY:

#### University of Hertfordshire

College Lane, Hatfield, AL10 9AB, UK  
<http://www.herts.ac.uk>

#### COST Action 275

<http://www.fub.it/cost275>

#### COST-TIST

<http://www.cordis.lu/cost/src/tisthome.htm>

### VENUE

The Workshop will be held at:

University of Hertfordshire  
Hatfield, Hertfordshire, AL10 9AB  
United Kingdom

For information on how to get to the Workshop venue and a list of recommended hotels please visit the Workshop website at:  
<http://www.fub.it/cost275/uk2005>.

### SCOPE OF THE WORKSHOP

Following the COST 275 successful workshops in Rome (2002) and Vigo (2004), this third workshop is intended to provide a forum for the coverage of the latest developments and new knowledge related to biometrics on the Internet, as well as for addressing various issues involved in practice. The scope of the event includes biometrics-based recognition methods (with particular emphasis on non-intrusive biometrics), techniques for biometric data fusion and interpretation of the results, potential applications and their requirements, implementation issues, and assessment tools and procedures.

### WORKSHOP FORMAT/LANGUAGE

The Workshop will include keynote speeches by renowned scientists covering various aspects of the state of the art, and a number of oral sessions covering the contributed papers. In addition, there will be a special session on "Systems and Applications".

The working language of the Workshop is English and will be used for all presentations and publications.

### SUBMISSION OF PAPERS

Prospective authors are invited to submit full-length, four page papers in any of the listed scientific areas by 17th June 2005. The submission instructions and author's kit can be found on the Workshop website.

### ASSOCIATION WITH IEE PROC. VIS

The authors of selected best papers from the workshop will be invited to submit extended versions of their papers for consideration in the above journal. The final decision in each case will be based on the review of the extended manuscript.

### DEMONSTRATION/POSTER PROPOSALS

Research institutes, companies, universities and consortia of EU projects are invited to propose demonstrations/poster illustrations of their ongoing projects, developed systems and applications in the area of biometrics. These will be included in the Special Session on "Systems and Applications". For further information on how to submit proposals please visit the Workshop website or email [cost275.workshop@herts.ac.uk](mailto:cost275.workshop@herts.ac.uk).

### ASSOCIATED EVENT

#### Seminar on Biometrics: 28 Oct 2005 Principles and Applications

For further information please visit the Workshop website or email [cost275.workshop@herts.ac.uk](mailto:cost275.workshop@herts.ac.uk).

### SCIENTIFIC AREAS

- A. Speaker Authentication:
  - A.1. Speaker verification
  - A.2. Speaker identification
  - A.3. Robustness in speaker recognition
- B. Image-Based Biometrics:
  - B.1. Face detection/recognition
  - B.2. Iris recognition
  - B.3. Lip movement recognition
  - B.4. Fingerprint/palm recognition
  - B.5. signature recognition (static, dynamic)
- C. Multimodality and Data Fusion:
  - C.1. Multimodality versus unimodality
  - C.2. Fusion techniques
  - C.3. Fusion in the feature domain
  - C.4. Fusion in the score domain
- D. Applications and implementation:
  - D.1. Financial applications
  - D.2. Secure data access
  - D.3. Forensic
  - D.4. Cross-boarder applications
  - D.5. Requirements for reliability
  - D.6. Implementation/user interface
- E. Databases:
  - E.1. Speech databases
  - E.2. Still/moving image databases
  - E.3. Multimodal databases
  - E.4. Clean data versus real data
- F. Assessment:
  - F.1. Performance evaluation methods
  - F.2. Standards
  - F.3. Users' attitudes
- G. Others-Please specify

### PROCEEDINGS

The Workshop proceedings will be published on CD-ROM.

### IMPORTANT DATES

Paper submission deadline	17 June 2005
Demo proposal deadline	1 July 2005
Notification of acceptance	1 August 2005
Workshop	27-28 October 2005