



BioID_MultiComm '09:

Joint COST 2101 & 2102 International Conference on
Biometric ID Management and Multimodal Communication

September 16-18, 2009 – Madrid (Spain)

<http://atvs.ii.uam.es/bioidmulticomm09>

BioID_MultiComm '09 is a joint International Conference organised cooperatively by COST Actions 2101 & 2102. COST 2101 Action is focused on "Biometrics for Identity Documents and Smart Cards (BIDS)", while COST 2102 Action is entitled "Cross-Modal Analysis of Verbal and Non-verbal Communication". The aim of COST 2101 is to investigate novel technologies for unsupervised multimodal biometric authentication systems using a new generation of biometrics-enabled identity documents and smart cards. COST 2102 is devoted to develop an advanced acoustical, perceptual and psychological analysis of verbal and non-verbal communication signals originating in spontaneous face-to-face interaction, in order to identify algorithms and automatic procedures capable of recognize human emotional states.

While each Action supports its own individual topics, there are also potentially strong interactive links between them, and a number of topics of shared interest can be determined. BioID_MultiComm '09 will focus on both Action-specific and joint topics; these will include, but will not be restricted to, the following:

- Physiological biometric traits: face, iris, fingerprint, hand, ear
- Behavioral biometric modalities: speech, handwriting, gait
- Transparent biometrics and smart remote sensing
- Biometric attacks and liveness detection
- Data encryption for identity documents and smart cards
- Quality and reliability measures in biometrics
- Multi-biometric templates for next generation ID documents
- Operational scenarios and large-scale biometric ID management
- Standards and privacy issues for biometrics
- Multi-biometric databases
- Human factors and behavioral patterns
- Interactive and unsupervised multimodal systems
- Analysis of verbal and non-verbal communication signals
- Cross modal analysis of audio and video
- Spontaneous face-to-face interaction
- Advanced acoustical and perceptual signal processing
- Audiovisual data encoding
- Fusion of visual and audio signals for recognition and synthesis
- Identification of human emotional states
- Gesture, speech and facial expressions
- Implementation of intelligent avatars
- Annotation of extended MPEG7 standard
- Human behavior and unsupervised interactive interfaces
- Cultural and socio-cultural variability

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Julian Fierrez *Univ. Autonoma de Madrid (Spain)*

Important Dates: **Paper Submission: April 10, 2009**

Notification of Acceptance: June 1, 2009

Final camera-ready paper due: July 1, 2009

Invited Speaker: Anil K. Jain, Michigan State University (USA)

Author Instructions: Prospective authors are requested to submit full-length papers (up to 8 pages) in Springer LNCS format. At least one author per paper should make a full-registration to the Conference (except COST MC Members)

Conference Proceedings: On-site conference proceedings will be published by Springer LNCS series

Venue: Escuela Politecnica Superior – Universidad Autonoma de Madrid

Social Program: 'Tapas'-style banquet dinner will be held at the typical "Corral de la Moreria" restaurant, performing authentic live 'tablaos flamenco' show in a charming atmosphere

Hotel accommodation: Hotel accommodation in Madrid will be available at convenient rates during on-line Conference registration process

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