

COST Action no.IC1106

2009 | 2013

# Integrating Biometrics and Forensics for the Digital Age

## Objectives

- Biometrics and Forensic Science have an enormous potential jointly to attack a number of longstanding and emerging challenges. Nonetheless their communities – to their mutual detriment - have often operated in relative isolation.
- This Action will stimulate an innovative and timely cooperation between the Biometrics and the Forensic Science communities. The goal is the imaginative integration of their skills and activities to develop novel solutions in the fight against crime..

## Working Groups

- WG 1: Biometric evidence for forensic evaluation and investigation
- WG 2: Audiovisual biometrics for multimedia forensics
- WG 3: Forensic behavioural and soft biometrics
- WG 4: Biometric analysis of forensic traces and their interpretation
- WG 5: Multimodal biometric evidence and its combination with other forensic evidence
- WG 6: Ethical and societal implications of emerging forensic biometrics

## Main Achievements

- Concrete examples on the usage of behavioural biometrics as evidence in court (Denmark);
- A highly innovative fingerprint matching scheme that operates on ISO minutia representations;
- Clear synergies between biometric recognition research groups and investigation departments of police forces are being strengthened;
- Cooperation between Germany, Malta, UK regarding crime scene forensics and contactless acquisition techniques.
- Discussion of different trace quality simulations started between partners from Germany and Austria.
- Novel Biometric technologies being applied to forensic cases using facial sketch recognition and tattoos.

## Gender Balance and Early Stage Researchers

- Objectives: To promote the participation and involvement of ESRs and gender balance in all Action activities.
- Status: participants are 30% female and 30% ESR.
- Foreseen Support Measures: Proper involvement of early-stage researchers is foreseen through the organization of a yearly training school.

## Dissemination

- The first Training School “Understanding Man-Machine Interactions In Forensics and Security Applications”, held on June 10 to 15 2012. The 42 participating ESRs and practitioners already started some joint research work and engaged in collaborative research with the 20 lecturers, all selected from the editorial boards of top-level scientific journals and conferences.
- The first annual workshop, “International Workshop on Biometrics and Forensics” (IWBF 2013), held on 4-5 April, 2013, allowed to bridge the Biometrics and Forensic science communities. Innovative examples of the application of biometrics in forensic scenarios, were reported by stake holders in the related areas.

[www.cost.eu/ict](http://www.cost.eu/ict)

Information and Communication Technologies (ICT)



Participating countries: 27

AT, BE, CH, CY, CZ, DE, DK, EL, ES, FI, FR, HR, IE, IL, IT, LV, MK, MT, NL, NO, PL, PT, SE, SI, SK, TR, UK

Internat. Collaboration:

AU, CN, HK, US

## Contact details

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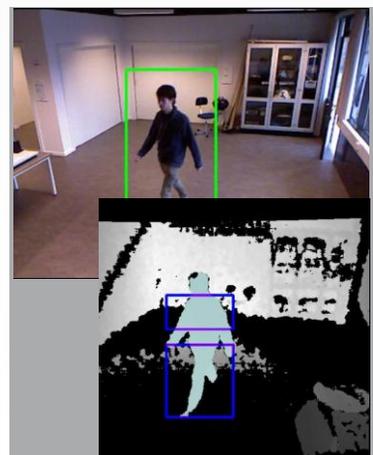
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Body segmentation and identification from surveillance cameras



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