Sixth International Conference on Imaging for Crime Detection and Prevention (ICDP-15)

IET's Vision and Imaging Network

15-17 July 2015, Queen Mary University London, UK

Call for Papers

AIMS AND SCOPE

Crime and anti-social behaviour have a significant cost for society and business alike. Just in the UK anti-social behaviour alone accounts annually for around £3.4 billion of taxpayers' money with incidents of graffiti and vandalism estimated to cost around £600 million/p.a. Surveillance systems of all kinds are thus extensively deployed in public and private locations to deter, prevent and control. The last years have also seen an increased awareness on the vulnerability of public spaces to attacks. However, there are serious limitations to the use of conventional monitoring systems where human operators are asked to survey a large number of cameras or go through enormous amounts of recorded material for forensic investigations. Computer-based technologies are increasingly becoming researched in what is now known as video analytics, propelled by advances in processing power, embedded computing, IP-networking technologies, volume storage, cheap cameras, etc. The realisation of such advances into working systems can have a major impact on society but also on individual liberty. This conference follows the successful IDSS (Intelligent Distributed Surveillance Systems) events held in 2003 and 2004 and ICDP 2005, 2006, 2009, 2011 and 2013 to bring together researchers, industry, end-users, law-enforcing agencies and citizens groups to share experiences and explore areas where additional research and development are needed, identify possible collaboration and consider the societal impact of such technologies.

Full papers are invited on all aspects of Imaging Surveillance technologies, from academia, industry, NGOs and others, to be selected for oral presentations or posters through a peer-review system (see also: http://www.icdp-conf.org). An indicative, not exclusive, list of relevant topics is:

- Surveillance Systems and solutions (system architecture aspects, operational procedures, usability, scalability)
- Multi-camera systems
- Information fusion (e.g. from visible and infrared cameras, microphone arrays. etc.)
- Learning systems, Cognitive Systems Engineering and video mining
- Robust computer vision algorithms (24/7 operation under variable conditions, object tracking, multi-camera algorithms, behaviour analysis and learning, scene segmentation)
- Human Machine Interfaces, Human Systems Engineering and Human Factors
- Wireless communications and networks for video surveillance, video coding, compression, authentication, watermarking, location-dependent services
- Metadata generation, video database indexing, searching and browsing
- Embedded systems, surveillance middleware
- Gesture and posture analysis and recognition
- Biometrics (including face recognition)
- Forensics and crime scene reconstruction
- X-Ray and Terahertz scanning
- Case studies, practical systems and testbeds
- Data protection, civil liberties and social exclusion issues

Accepted papers will be published on the IET's Digital Library, indexed by Inspec, only if at least one author registers and presents the work. Authors of exceptional papers may be invited to submit extended versions to be considered for publication in one of the following peer-reviewed Journals (IET Computer Vision, IET Image Processing or IET Biometrics). There are delegate fee discounts for authors, students and members of the IET and sponsoring organisations.

KEY DATES

Receipt of full papers (maximum of 6 pages in PDF format using the prescribed format).	29th April 2015
Notification of acceptance	25th May 2015
Receipt of camera-ready papers	15th June 2015

UK & Ireland Section Chapters:
Social Implications of Technology
Circuits and Systems
Instrumentation and Measurements

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