



The Knowledge Network

Visual Information Engineering 2007:

Bridging the gap between theory and applications

25 - 27 July 2007, Royal Statistical Society, London, UK

EXTENDED DEADLINE!

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- Computer Society (UKRI Section Chapter)
- Signal Processing Society (UKRI Section Chapter)
- Systems, Man and Cybernetics Society (UKRI Section Chapter)

The IET Visual Information Engineering conference 2007 (VIE2007) addresses the fundamental elements of image, video and graphics research and development. Key technical areas include the growing convergence of computer graphics and computer vision/image processing which is an increasingly important area in commercial multimedia applications development. The conference provides an ideal opportunity for researchers, practitioners and educators in the VIE community to share results and advancements in a high quality, peer reviewed environment, and creates an important networking forum in which academic and industrial participants can discuss the future of VIE technologies and the convergence of imaging technologies with other domains.

Topics

Topics of interest include, but are not limited to:

1. Visual information retrieval. Image and video interpretation, low-level and semantic based classification, annotation and retrieval.
2. Image and video analysis, segmentation, motion analysis and tracking and event detection for surveillance.
3. Graphics, visualisation, animation, rendering, image and video-based model synthesis, synthetic image generation and manipulation.
4. Architectures and implementation, image acquisition, hardware.
5. Block-based/scalable coding and compression, transcoding and streaming.
6. Image and video communication, networking, low-bit rate and wireless technology, high definition video transmission and consumer devices for visual media consumption.
7. Visual media management, multimedia database management, watermarking, privacy, and digital rights management.
8. Applications: TV, HDTV, D-Cinema, video and mobile communications, robotics, medical, forensic, security and surveillance, industrial inspection, handwriting analysis/recognition, post-production, biometrics, virtual and augmented reality, advanced and immersive telepresence, and computer/video games.

Paper Submission and Publication

The conference will have a mixture of short papers (4 pages) and long papers (6 pages). Prospective authors are invited to submit camera-ready versions using the on-line system at <http://conferences.theiet.org/vie2007>. Accepted papers will be published in the Conference Proceedings published by the IET. Exceptional papers will be invited for consideration for two Special Issues of IET research journals (IET Computer Vision and IET Image Processing).

Important Dates

28th February 2007

16th April 2007

14th May 2007

Submission of full papers

Notification of acceptance

Submission of camera-ready papers