VIE'08 workshop on
Scalable coded media beyond compression

29th July 2008, Xi'an, China

IET
The Knowledge Network

Information Society

Workshop Co-chairs

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Important Dates

- Paper submission:
  31st March 2008
- Notification of acceptance:
  30th April 2008
- Camera ready paper submission:
  20th May 2008

Workshop URL

http://vie08.qmul.net/vie_ws/visnet.htm

Workshop Location

The workshop is co-located with the VIE 2008 at the Xi'an International Conference Center in Xi'an, China.

VIE Co-sponsors:

IEEE

Workshop Co-Sponsors:

VISNET II

The workshop is sponsored by the EU FP6 funded Network of Excellence VISNET II - Networked Audiovisual Media Technologies (http://www.visnet-noe.org).

IET Visual Information Engineering 2008 Conference

The 5th IET Visual Information Engineering 2008 Conference (VIE'08) addresses the fundamental elements of image, video and graphics research and development. It brings together researchers, developers, creators, educators, and practitioners in image processing, machine vision, computer graphics, virtual and augmented environments, and visual communications to share their latest achievements and explore future directions and synergies in these exciting areas.

Workshop Outline

Last few years have seen the emergence of different solutions for achieving high-quality compression of images/video resulting in scalable bit streams. Scalable coding has now become an integral part of International standardisation efforts and has lead to successful standardisation of JPEG2000 for image coding and the scalable extension of the MPEG-4 AVC/H.264 for video coding. With the availability of these scalable coding technologies, it is vital to investigate the effect and influence of scalable coded visual content on the existing compression domain visual content analysis, robust streaming, search and retrieval from distributed databases and digital rights management applications. Future commercialisation of scalable coding technology mainly depends on the success of its integration with the whole multimedia usage experience.

This workshop aims to present the application challenges of recently established scalable visual content coding, new techniques of usage of scalable coded visual content and to address future applications based on scalable coded content. This event will create an important networking forum in which academic and industrial participants can discuss the future of scalable coded visual content technologies and applications.

Topics of interest include, but not limited to:

- Content adaptation and summarisation using scalable bit-streams
- Robust streaming, error resilience and error concealment
- Compressed domain analysis
- Content based retrieval
- Digital rights management
- Complexity optimisation and new tools for achieving scalability

Keynote speaker

Prof Stefano Tubaro, Politecnico di Milano, Italy
Topic: "Robust Streaming, Error Resilience and Error Concealment"

Demos

Interested parties are invited to present posters and demos related to the workshop during the event. Contact workshop co-chairs for details.

Registration

VIE'08 registration conditions apply for all accepted papers and the workshop is covered by the VIE'08 registrations.

Paper Submission

Papers must be formatted according to the VIE 2008 paper format (http://vie08.qmul.net/VIE2008%20paper%20submission.htm). Prospective authors are invited to submit papers using the on-line paper submission system at the conference website http://vie08.qmul.net. To indicate submission to the workshop, on the submission site, after login, select the workshop instead of the conference main track.

Accepted papers will be published in the VIE 2008 Conference Proceedings. Extended versions of papers will be invited for review and consideration for publication in Special Issues of the IET Image Processing, IET Computer Vision (formerly IEE Proceedings Vision, Image and Signal Processing) and the EURASIP journal on Image and Video Processing.