

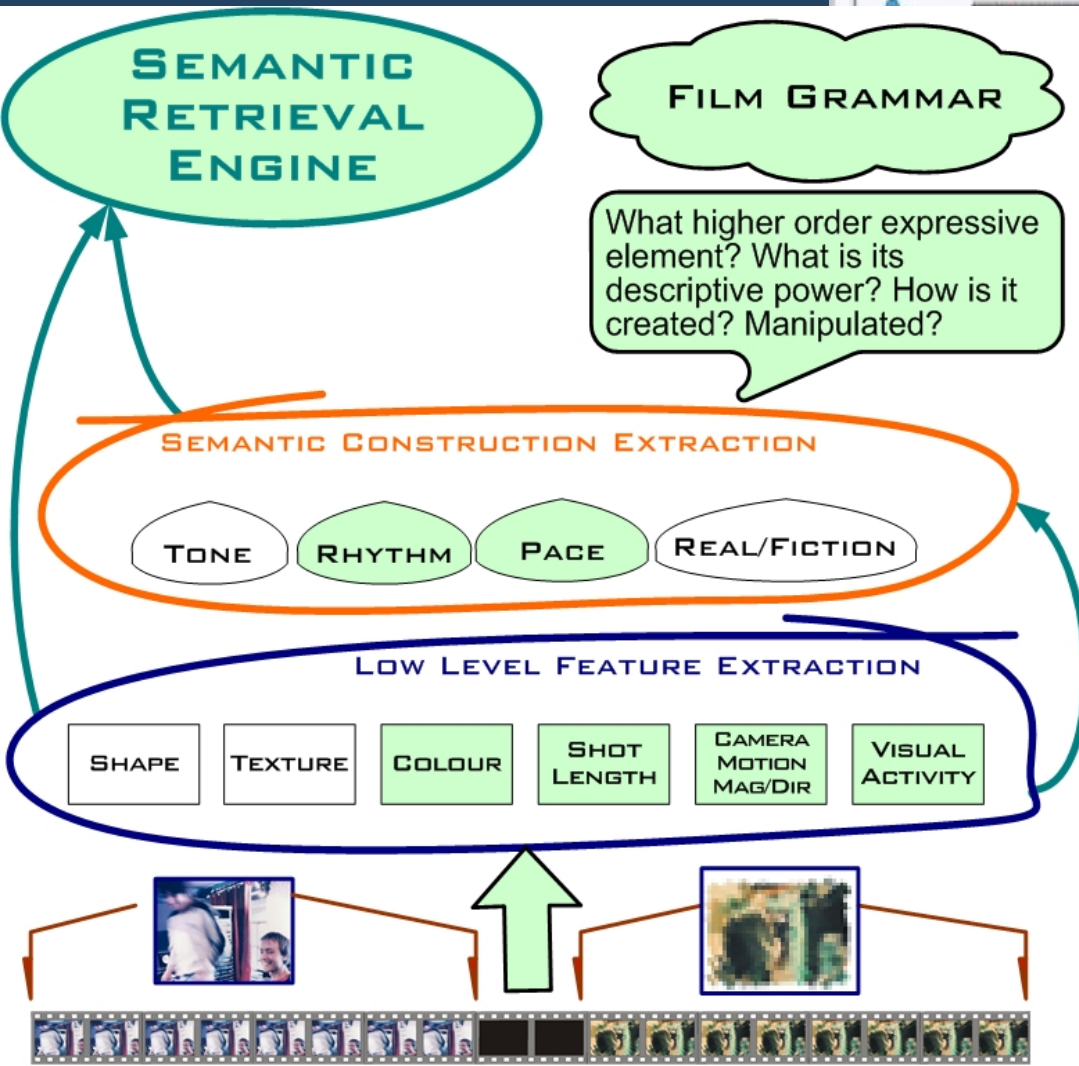
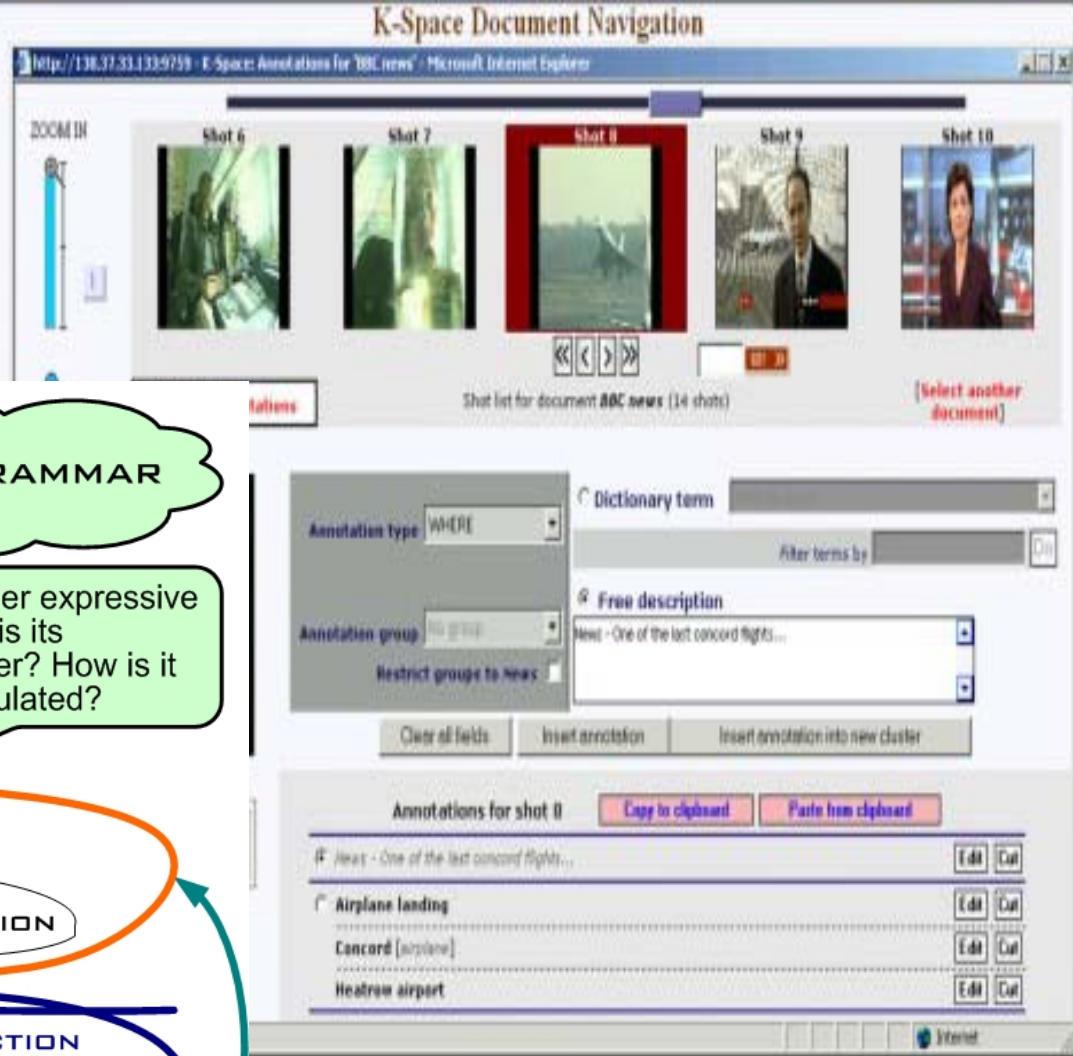
# The Multimedia and Vision Research Group Queen Mary, University of London

Prof. Ebroul Izquierdo

Open Constituency Building event on the Future  
Internet Public-Private-Partnership (PPP)

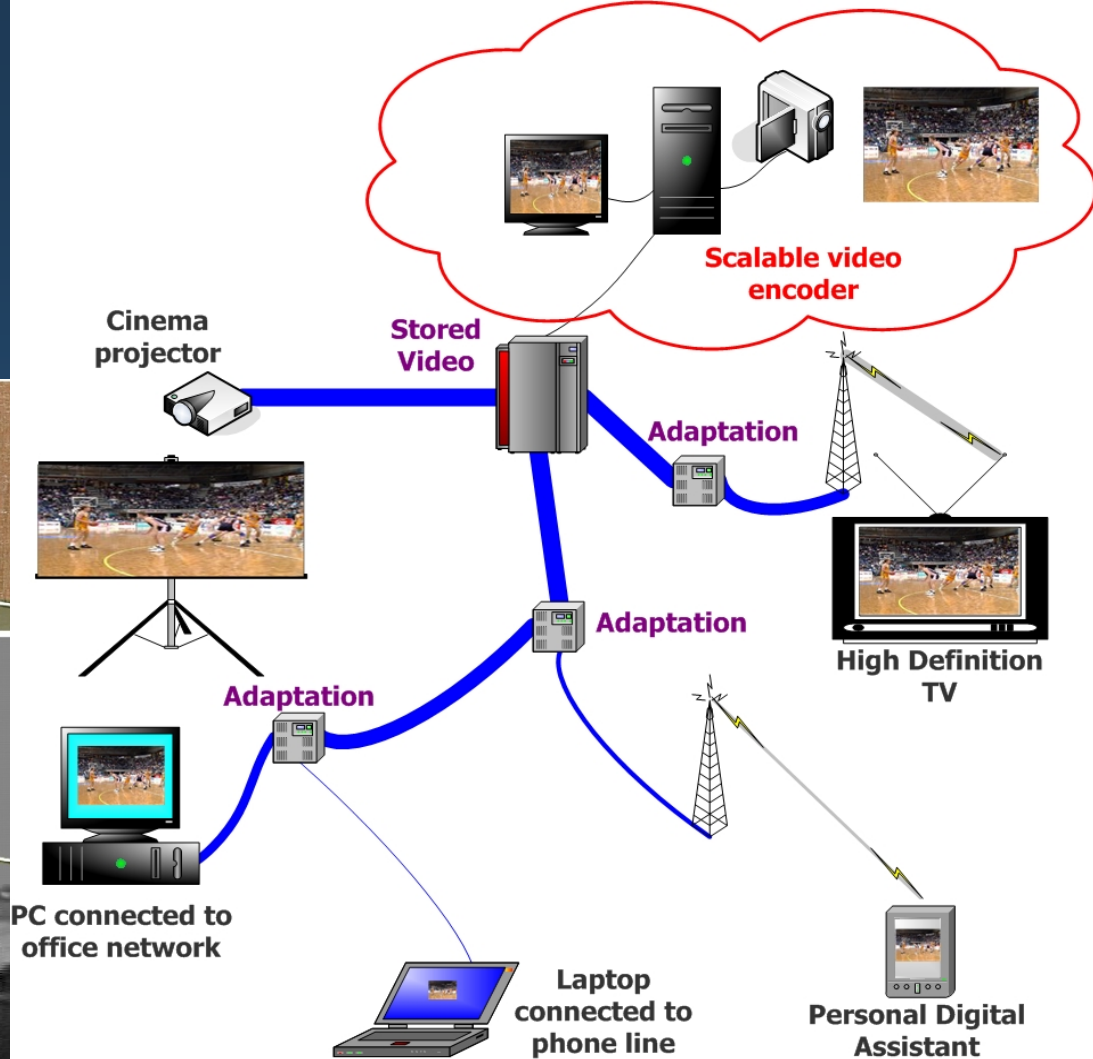
Nice on 12 March 2010

# Multimedia Information Retrieval



Semantic based media analysis

# Scalable Source&Channel Coding



- Video Analysis for Surveillance Applications
- Multi-Modal and multi-sensor signal processing.

# Main activities

## Compression and coding:

- Scalable video coding
- Surveillance-centric coding
- Error resilience and concealment in video streams
- Multiple description coding of videos transmitted over noisy channels

## Visual information retrieval

- Clustering and classification of multimedia content using biologically-inspired techniques
- Semantic image segmentation
- Relevance feedback
- Intelligent visualisation techniques for multimedia databases

# Main activities

## Visual information retrieval

- Game development for semi-automatic image annotation
- Implicit image annotation using gaze tracking

## Human Sensing for Human-Media Interaction

- Human action recognition and localisation in image sequences
- Facial (expression) analysis
- Human pose estimation