

CENTRE for DIGITAL VIDEO PROCESSING DUBLIN CITY UNIVERSITY

June 2007

<http://www.cdvp.dcu.ie/>

RESEARCH AREAS

- ◆ Video indexing, browsing and searching
- ◆ Video shot/scene boundary detection
- ◆ Face recognition in video
- ◆ Video object identification & tracking
- ◆ Music / speech discrimination
- ◆ Automatic video summarisation
- ◆ Video analysis
- ◆ Video delivery on mobile platforms
- ◆ Hardware accelerator design for MPEG-4 mobile platforms
- ◆ Personalisation & recommendation
- ◆ Video navigation interface design
- ◆ User studies on digital video libraries
- ◆ MPEG-4 coding and MPEG-7 representation
- ◆ Hand gesture and sign language recognition

PEOPLE



Prof Alan F. Smeaton (Director) Dr Noel Murphy Dr Noel O'Connor Dr Gareth Jones Dr Seán Marlow Dr Aislinn Suhrland

... 6 Faculty



Dr Cathal Gurrin Dr Hyowon Lee Dr David Sadler Dr Tomasz Adamek Dr Andrew Kinane Dr Sorin Sav Dr Ying Zhang

... 7 Post-Docs



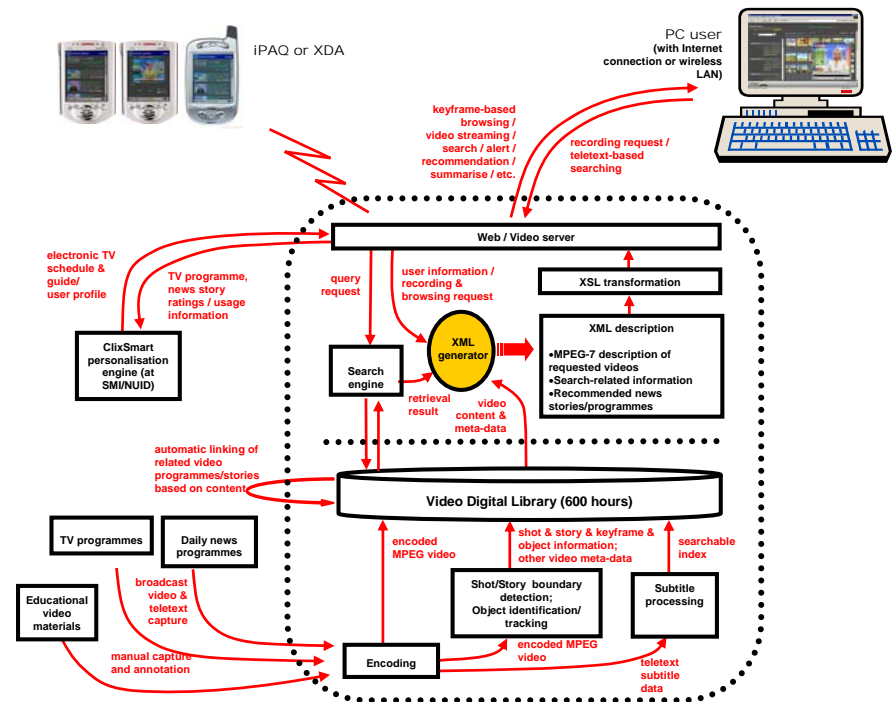
... 26 Research students

... plus 77 former researchers, undergraduates & interns

RESEARCH COLLABORATIONS

- ◆ SCHEMA EU Network of Excellence
- ◆ DELOS EU Network of Excellence
- ◆ University College Dublin, Smart Media Institute
- ◆ Queen Mary University of London, U.K.
- ◆ School of Nursing, DCU
- ◆ Text REtrieval Conference (TREC), US
- ◆ Microsoft Research
- ◆ Google
- ◆ Samsung Electronics
- ◆ EPFL, Switzerland
- ◆ Logica, Ireland

FÍSCHLÁR DIGITAL VIDEO SYSTEM



- ◆ Over **2,000** registered users on the DCU campus
- ◆ **600** hours of video stored at any point in time
- ◆ **200+** simultaneous video streams

Tailored versions for different video collections:

- ◆ **Físchlár-TV**: Online VCR with keyframe browsing features
- ◆ **Físchlár-News**: News story-based browsing with personalised story recommendation
- ◆ **Físchlár-Nursing**: Educational videos browsable and playable for Nursing students in DCU