VideoCLEF

Classification of Dual Language Audio-Visual Content

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Goals of VideoCLEF

- Promote research on intelligent access to multilingual video collections
- Encourage exploitation of:
  - speech transcripts (2008)
  - video metadata (2008)
  - visual features (concepts)
  - audio features (event detection)
2008 Subtasks

**Classification Task (Main Task)**
- Assign videos to thematic classes

**Translation Task**
- Translate output RSS-feeds (e.g., into English)

**Keyframe Extraction Task**
- Select a keyframe to provide a semantic representation of the entire video
Classification

- Continue in 2009
  - Well motivated
  - Room for improvement
  - Ground truth available
- Changes in 2009
  - More data
  - More languages
  - Provide training data
  - More labels
  - Encourage visual features
Keyframe Extraction

- Probably continue in 2009
- Use multiple keyframes per video
- Personalized/query-biased keyframe extraction
- Need to develop an evaluation method
New: Affect and Appeal I

- Classify video with respect to characteristics other than semantic content
- Use for browsing, for pivots, as priors, as Art
- Exploit speech, concepts, audio events, metadata
- Start with a simple task
New: Affect and Appeal II

- **Input:** Sets of 3 videos belonging to the same thematic subject class (i.e., Opera)
- **Output:** For each video triplet, identify the video that users are most likely to mark as "boring", "outdated" or "superficial"
Other New Tasks

Quote Retrieval
Example topics:
<description>Some one speaking in Italian about supporting Mussolini</description>

<quote language="Italian">I supported Mussolini</quote>

Finding related resources
Background material supporting understanding of a video