

# TREC 2005 Video Retrieval Evaluation

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What next ?

# TRECVID 2005 final items

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- Please email slides to [tianevea@nist.gov](mailto:tianevea@nist.gov)
- Papers and slides will go up on website
- Final papers due by 1 March 2006
- Please check bibliography and send omissions to [over@nist.gov](mailto:over@nist.gov)
- Call for participation in TRECVID 2006 early next year
- Send interactive search system screen dumps as (PP presentation?) to [over@nist.gov](mailto:over@nist.gov)
- Likewise for BBC rushes systems?

# Inputs to TRECVID 2006 planning

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- ARDA/DTO has paid LDC to:
  - n collect 180 total hours of English, Chinese, Arabic news from 2005
  - n distribute 65 copies
- Still need ASR/MT
  - n Working with Randy Paul ... to get this early
- LDC proposes using checksums and ReiserFS
- All 180 hours can be used as test data
- 2005 common annotation + LSCOM annotations? available for system development
- Yahoo has offered TRECVID large amounts of their spidered video.... Stay tuned.

# Inputs to TRECVID 2006 planning

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- High-level features
  - n Force development of generic detectors by requiring groups to submit results for all features in the common annotation. NIST to choose a subset for evaluation?
  - n Collect and report information on computational effort?
    - Difficult to determine start/end of training
  - n Require run based on a donated set of low-level features (CMU's, MPEG-7's,...) for at least master shot keyframes?
  - n Provide a common discriminative modeling baseline system?

# Inputs to TRECVID 2006 planning

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- Camera motion
  - n Use finer granularity than master shots?
  - n Change task significantly
    - Make this a quantification, not a binary classification task?
    - Define minimum motion?
    - Include search for “change of focus” etc.?

# Inputs to TRECVID 2006 planning

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- Rushes
  - n Continue work on unproduced video in some form
    - Significant commercial interest (BBC, CNN, ...?)
    - Research results apply to surveillance video?
  - n Task
    - Stock shot finding?
    - Known item search using skimming/summarization/clustering/exploration?
    - Direct evaluation of clustering analysis (a la TDT?) ?
      - n less like clustering, more like assignment of labels to (existing?) clusters?
    - Given a clip from outside the collection, find similar ones in the test collection?
    - Look at similarities to UAV data – look for events?
    - Need info on real user task characteristics
    - Will someone donate camera motion detection data
    - No common unit of retrieval?

# Inputs to TRECVID 2006 planning

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## q Search

- n Rename “manual” as “automated”
- n More info in the overview on effect of various factors (e.g., text-only vs text+video)
- n Drop manual search type?
- n Evaluate automatic runs using precision/recall at fixed depth?
- n Use the LSCOM use cases to generate TV6 topics?
- n Use ellicit multi-valued relevance judgments from assessors?

# Inputs to TRECVID 2006 planning

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## q General

- n Assess impact of “near duplicates”?
- n Remove commercials from test sets?
- n Require rerun of '04 system on '05 data to assess data effect? or rerun of '05 system on '04 data.
- n Emphasize targets special to video (vs static images)
- n New automatic “near duplicate” detection task

## q Location?

- q CIVR 2006            Nov ?            Tempe, AZ
  - q Could be moved to Nov. if decision is made very soon
  - q How much more expensive to run than at NIST?
- q ACM MM 2006    22-28 October    Santa Barbara, CA
  - q long meeting already with existing workshop with overlap
  - q greater cost to sponsor
- q NIST pre-TREC 15-17 November    Gaithersburg, MD
  - q relatively cheap