Star Challenge 2008

Champion Team: Lab for Media Search

THE NEW PAPER

News

They search without words

NUS team wins $150,000 in multi-media search engine competition

Fully Automated Video Processing

- Raw Videos: English, Chinese, Malay, Tamil
- English/Chinese ASR
- Low Level Features
- Face, Motion, Audio sound
- Video Data Index

Further Advanced Processing

English Text to Phonetic Conversion	Static HLF (20 concepts)	Dynamic HLF (10 concepts)
Chinese Text to Han Yu Pin Yin Conversion	Video Caption	Shot Genre Detection

ASR → Automated Speech Recognition; Using Microsoft ASR engine; Low Level Features → 5x5, Color Moment using Edge Histogram; Face → Open CV face detection; Motion → Global and local; Sound → MFCC with Zero Crossing.
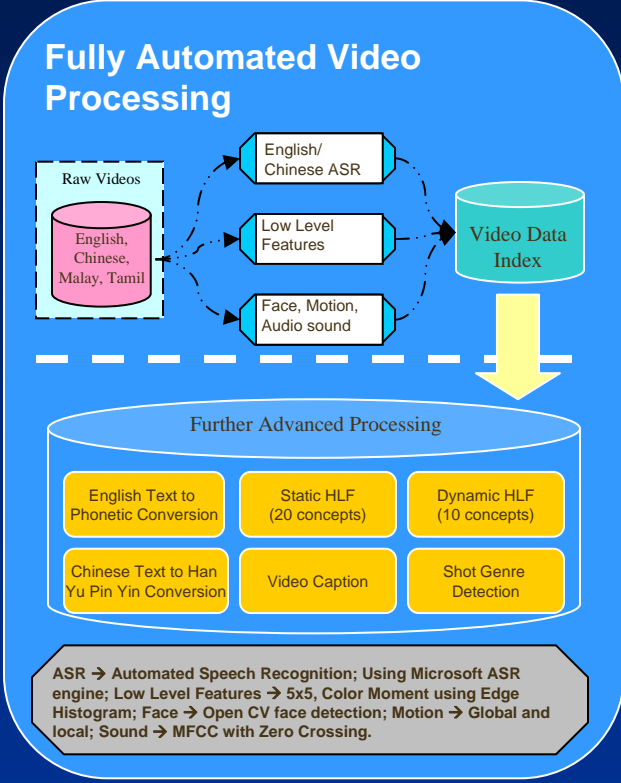
Interactive Retrieval Interfaces

Retrieval
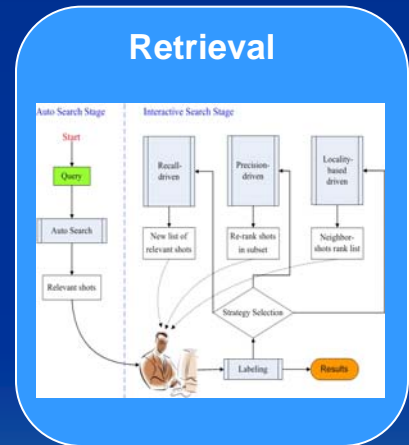
Credits

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