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## Semantic content analysis for effective video segmentation, summarisation and retrieval.

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Authors	Ren, Jinchang
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## AUTHOR'S CONTRIBUTIONS

### Journal Papers and Book Chapters

- [1]. J. Ren and J. Jiang, 'Hierarchical Modelling and Adaptive Clustering for Real-time Summarization of Rush Videos,' *IEEE Trans. Multimedia*, vol. 11, no. 5, 2009.
  
- [2]. J. Ren, J. Jiang, and J. Chen, 'Shot boundary detection in MPEG videos using local and global indicators,' To appear in *IEEE Trans. Circuits and System for Video Technology (T-CSVT)*, 2009.
  
- [3]. J. Ren, J. Jiang, J. Chen, and S. S. Ipson, 'Extracting Objects and Events from MPEG Sequences for Video Highlights Indexing and Retrieval,' To appear in *Journal of Multimedia (JMM)*, Academy, 2009.
  
- [4]. J. Ren, J. Jiang, D. Wang, and S. S. Ipson, 'Fusion of Intensity and Inter-component Chromatic Difference for Effective and Robust Colour Edge Detection,' To appear in *IET Image Processing*, 2009.
  
- [5]. J. Ren and J. Jiang, 'Statistical classification of skin colour pixels from MPEG videos,' *Lecture Notes in Computer Science (LNCS)*, Springer, 4678, pp. 395-405, 2007
  
- [6]. J. Ren, J. Chen, J. Jiang, and S. S. Ipson, 'Knowledge-supported segmentation and semantic contents extraction from MPEG videos for highlight-based annotation, indexing and retrieval,' *LNCS*, Springer, 5226, pp. 258-265, 2008.

## Conference Publications

- [1]. J. Ren, T. Vlachos, and J. Jiang, ‘Subspace extension to phase correlation approach for fast image registration,’ Proc. *Int. Conf. Image Processing (ICIP)*, (1), 481-484, 2007.
- [2]. J. Ren, D. Wang, J. Jiang, and S. S. Ipson, ‘Fusion of intensity and channel difference for improved colour edge detection,’ Proc. *Visual Information Engineering (VIE)*, Xi'an, China, pp. 18-22, July 29-Aug 1, 2008.
- [3]. J. Ren, J. Jiang and C. Eckes, ‘Hierarchical modelling and adaptive clustering for real-time summarization of rush videos in TRECVID08,’ Proc. *TRECVID BBC Rushes Summarization Workshop (TVS 2008)* at ACM Multimedia, pp. 26-30, 2008.
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- [5]. J. Chen, J. Ren, and J. Jiang, ‘Compressed-domain shot boundary detection using finite state machine and content-based rules,’ Proc. *Visual Information Processing*, 2007.
- [6]. D. Wang, J. Ren, J. Jiang, and S. S. Ipson, ‘Skin detection from different colour spaces for model-based face detection,’ *Communications in Computer and Information Science*, Springer, 15, pp. 487-494, 2008.
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- [8]. J. H. Alkhateeb, J. Jiang, J. Ren, and S. S. Ipson, ‘Component-based segmentation of words from handwritten Arabic text,’ Proc. *World Academy of Science, Engineering and Technology*, 31, pp. 345-349, July 2008
- [9]. J. AlKhateeb, J. Ren, S. S. Ipson, J. Jiang, H. ElAbed, ‘Word-based Handwritten Arabic Scripts Recognition using DCT Features and Neural Network Classifier,’ in Proc. *the 5th Int. Conf. on Systems, Signals and Devices*, pp. 1-5, 2008.