

Projects from ACM Multimedia 2008

Objective:

The students are required to repeat a research project reported in a paper published in 2008 ACM Multimedia conference. The goal is to allow students to gain experience in multimedia research.

Project Description:

Read some of the following papers:

1. Flickr distance:
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2008/p31-wu.pdf>
2. Scalable mining of large video databases using copy detection:
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2008/p61-poullot.pdf>
3. Bayesian video search reranking:
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2008/p131-tian.pdf>
4. Boosting image retrieval through aggregating search results based on visual annotations:
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2008/p189-olivares.pdf>
5. On large-scale peer-to-peer streaming systems with network coding:
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2008/p269-feng.pdf>
6. Photo-based question answering:
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2008/p389-yeh.pdf>
7. Contextual in-image advertising:
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2008/p439-mei.pdf>
8. Annotating personal albums via web mining:
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2008/p459-jia.pdf>

Select the research project in one of these papers as your term project. You must at least implement the basic algorithms, schemes, or systems discussed in the paper. You also need to repeat some experiments presented in the paper to validate your implementation. You are encouraged to design new algorithms or use new approaches to solve the same problem. If you propose a new solution, you need to compare your solution with the ones presented in the paper through analytical study or experiments.

Questions and Concerns:

If you have any questions or concerns regarding this project, or if you feel any part of the project description is confusing, please talk to the instructor. Making false assumptions about the project may result in a low grade.

You are not allowed to contact the authors of these papers. Any attempt of contacting the paper authors will be considered as cheating. It may result in a zero (0) in your project grade.