

## Projects from ACM Multimedia 2009

### Objective:

The students are required to repeat a research project reported in a paper published in 2009 ACM Multimedia conference. The goal is to allow students to gain experience in multimedia research.

### Project Description:

Read some of the following papers:

1. Visual Query Suggestion:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p15-zha.pdf>
2. Using Large-Scale Web Data to Facilitate Textual Query Based Retrieval of Consumer Photos:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p55-liu.pdf>
3. Query Expansion for Hash-based Image Object Retrieval:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p65-kuo.pdf>
4. Descriptive Visual Words and Visual Phrases for Image Applications:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p75-zhang.pdf>
5. Web Image Mining Towards Universal Age Estimator:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p85-ni.pdf>
6. Label to Region by Bi-Layer Sparsity Priors:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p115-liu.pdf>
7. Scalable Detection of Partial Near-Duplicate Videos by Visual-Temporal Consistency:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p145-tan.pdf>
8. Inferring Semantic Concepts from Community-Contributed Images and Noisy Tags:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p223-tang.pdf>
9. Learning Semantic Distance from Community-Tagged Media Collection:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p243-qi.pdf>
10. Accessible Image Search:  
<http://www.cs.clemson.edu/~jzwang/ustc11/mm2009/p291-wang.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.**