

## REU Site Program in CVMA

### Reading Assignment

#### **General Reading Instructions:**

You may choose any paper from the list to read. **You may do the search by your own. Please consult with Dr. Qi in person about the appropriateness of the chosen paper before you start reading.**

Please turn in the report to answer at least the following questions. Note: The answers should be **SUMMARIZED BY YOU INSTEAD OF COPYING DIRECTLY FROM THE PAPER.**

1. The problem to be solved.
2. The assumptions made by the authors
3. Source of the data set if mentioned in the paper
4. The pseudo-code of the proposed approach (Please keep it concise)
5. The results compared to others
6. Shortcomings of the approach and future improvement mentioned in the paper
7. Your evaluation of the paper in terms of the technical novelty, computational complexity, and experimental results
8. Your thought about the possible improvement to solve the problem
9. Your thought about applying the proposed techniques to other applications

#### **Useful Websites to Search for Papers**

1. **Computer Science Papers NEC Research Institute CiteSeer Publications ResearchIndex** (<http://journals.iranscience.net/Searchcitereer.htm>)

2. **USU Electronic Journals** (<http://xz6kg9rb2j.search.serialssolutions.com/>)

Or go to <http://library.usu.edu/> to navigate the welcome section or select the appropriate database.

Note: You need to be on-campus to access the E-Journal or use VPN, which can be downloaded from the USU home page.

3. **Google scholar:** <http://scholar.google.com/>

#### **Some Good Journals are:**

IEEE Transactions on Image Processing

IEEE Transactions on Pattern Analysis and Machine Intelligence

IEEE Transactions on Signal Processing

IEEE Transactions on Multimedia

IEEE Transactions on Systems, Man and Cybernetics

International Journal Computer Vision

Computer Vision and Image Understanding

Pattern Recognition

#### **Some Good Conferences are:**

International Conference on Image Processing (ICIP)

International Conference on Acoustics, Speech, and Signal Processing (ICASSP)

International Conference on Computer Vision and Pattern Recognition (CVPR)

International Conference on Pattern Recognition (ICPR)

International Conference on Computer Vision (ICCV)

Europe Conference on Computer Vision (ECCV)