

# CS 491E/791E Computer Vision

Spring 2004 - Dr. George Bebis

## Homework 1

Due date: 2/10/2004

1. Browse through the web-pages of various computer vision research groups and find the three most interesting to you computer vision research projects. The links to the web-pages of various computer vision research groups all over the world are available from the Computer Vision Home Page (I have a link to the Computer Vision Home Page in our course's web-page). Give the title of the project, the names of the main researchers involved, their affiliations, a short description of the project, and the web-address for this project. Briefly describe the reasons you have found them interesting.
2. Most of the Computer Vision journals listed in the course's web-page are available on-line through the UNR library (under "Electronic Journals"). You need to browse through the contents of the latest issue available in each case of the following journals:

*IEEE Transactions on Pattern Analysis and Machine Intelligence*  
*Computer Vision and Image Understanding*  
*Image and Vision Computing*  
*International Journal of Computer Vision*

Identify at least one article from each journal that you find most interesting. Briefly describe what is the main problems tackled in these papers and why you have found them interesting. Print the first page of that article and turn it in with your assignment.

3. Unfortunately, UNR library does not subscribe to all the Computer Vision journals. One of them is the *International Journal on Artificial Intelligence Tools (IJAIT)* journal. Find the web-site of the journal and browse through the contents of the most recent issue. Identify the article that you like most, visit UNR's Interlibrary Loan webpage, fill-out the appropriate request form, print it out (i.e., DO NOT SUBMIT the request), and turn it in.
4. "ResearchIndex" (<http://citeseer.nj.nec.com/cs>) is a powerful search engine built by NECI to help researchers find papers which are available on-line over the Internet. Suppose you are looking for papers published by George Bebis. (*warning*: read carefully ResearchIndex's instructions on how to enter your query). Look at the results returned by this query and choose one of Bebis'

papers that seems to be most interesting to you. Briefly describe what is the main problem tackled in this paper and why you have found it interesting. Print the first page of that article and turn it in.