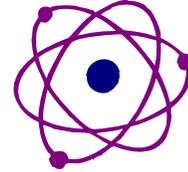


**ECEN 5773**  
**Evolutionary Computation**  
**Fall 2011**  
**Final Project**



***Topics of Interest***

Please communicate with the Instructor regarding your topic of interest for the final project that will account for 50% of the grade. An approval is needed by the deadline November 3, 2011.

OMER BEYCA- AIS for Anomaly Detection  
SUCI DWIJAYANTI- 3D Reconstruction Using EA  
JORGE RASCON- Wheat Improvement  
ADRIAN KOLLER-TSP with Servicing  
NAVIN SHENOY- Optimal Load Flow in Power Systems  
Nizar Khemri- P300 Classification in EEG Signals  
MOHSEN EMAMI- Optimal Design for Mechanical Systems  
SHENG WANG- Clique Detection in a Journal Bibliographic Network  
JIANHAO DU- Multiobjective Path Planning  
ALI ASMARI- Edge Detection  
TRUNG DUONG- Image Stitching  
YE GU- Robotic Navigation in Obstacle Environments

***Oral Presentation***

Oral presentation will be scheduled on **December 6, 2:00pm-5:00pm at Engineering South 202**. Each one is allowed a 15-minute talk (including time allocated for Q&A). All students will be involved in grading the presentation for others.

***Documentation***

Complete a 8-page report on the assigned subject with elaborated justifications given the following structure (need not to be exactly). Please follow the *IEEE format* given in the D2L and CEC 2008 website. The report is due on **December 9, 2007** and is to be emailed to Instructor (at [gyen@okstate.edu](mailto:gyen@okstate.edu))

title, author and affiliation  
abstract  
introduction with problem statement and motivations  
literature survey with identified deficiencies  
proposed novel idea or algorithm developed to remedy/improvement  
simulation/experimental validation  
conclusions and future research  
references