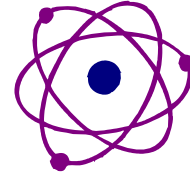


**ECEN 5773**  
**Evolutionary Computation**  
**Fall 2007**  
**Final Project**



***Topics of Interest***

Ahmed Abd Elfattah- Ant Colony Optimization  
Chandra Cheedepudi- Evolving Ensemble Artificial Neural Networks  
Nehal Divekar- Evolutionary Finance  
Marta Gandolla- Bioinformatics  
Ashwin Kadkol- Memetic Algorithms  
Eric Larson- Facial Animation Features  
James McClintock- Evolutionary Art  
Kazunori Nishimura- Evolvable Hardware  
Srivani Pinneli- Image Segmentation  
Isaac Walters- Evolutionary Games  
Kumlachew Woldemariam- AIS for Constraint Optimization

***Research & Simulation***

Contemplate novel ideas and conduct necessary research and simulation to substantiate the ideas inspired. Please schedule an appointment by **November 16, 2007** with the Instructor to finalize a well-thought-out idea.

***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 2, 2007** (during the presentation). Students with top quality ideas will be requested to work with the Instructor to submit papers to CEC 2008, Hong Kong.

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

***Oral Presentation***

Oral presentation will be schedule on **December 2, 1:30pm-4:45pm at Engineering South 202**. Each one is allowed a 20-minute talk. All students will be involved in grading the presentation for others.