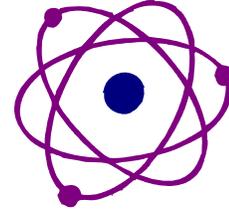


**ECEN 5773 Intelligent Systems  
Fall 2001**



**Final Exam**

**INTELLIGENT SYSTEMS BASED NOVEL APPLICATIONS**

**Application Domain**

- Choose one subject area from the following list or others at *first come first take* basis (each of you will choose a distinct subject)
  - Data Mining;
  - Bioinformatics;
  - Financial & Economics;
  - Mechatronics;
  - Scheduling;
  - Optimization;
  - Chaos;
  - Machine Vision;
  - Sensor Fusion;
  - Data/Model Visualization;
  - Implementation.

**Literature Review**

- Search literature that utilize the intelligent systems for your research area of interest.
- Review the chosen article with supported simulation studies and benchmark tests.

**Report Documentation**

- Complete a 5-10 page report on the chosen subject with elaborated justifications given the following format (need not to be exactly)
  - title page with affiliation
  - summary of the paper
  - problem statement and related progress
  - justification of using intelligent systems
  - simulation/experiment validation
  - its deficiencies, if any
  - suggested improvements
  - implication on your research
  - questions to be answered
  - conclusions
  - references

**Oral Presentation**

- Prepare a 15 minutes presentation and additional 5 minutes for Q&A.