CMSC 491N/691N **Introduction to Neural Networks** **Spring 2001**
Section 0101 Thursday 7:00-9:30 PM PHYS-201

Project Three

(NOTE: This project is required for graduate students. Students registered for 491N may submit for consideration of extra credits.)

This project assignment involves applying continuous Hopfield model (CHM) to solve the same 10-city geometric traveling salesman problem (TSP) given in Project Two. You should use the algorithm discussed in the class (also see the textbook pp.348-351).

Report
Besides the description of the project and the source code, you should include the following in the project report:

- The parameters (e.g., ***A, B, C, D***, and ***q***) you select for the network, and the initial state of the network.
- Whether you choose to update one unit at a time or all units at the same time.
- The tour you find (a sequence of cities) and its length, and compare it with the tour found in Project two
- Any other issues you wish to report and discuss.

The due day: May 17, the final exam day of this class.

Policy for late submission: No project will be accepted after May 17.