

**Institute of Computer Science and Engineering**  
College of Computer Science  
National Chiao Tung University  
Hsinchu, Taiwan, R.O.C.

As members of the Final Examination Committee, we certify that  
we have read the thesis prepared by  
entitled

and recommend to be accepted as fulfilling the thesis requirements  
for the Degree of Master of Science.

Committee Members:

Thesis Advisor:

Director:

Date: