

# Acknowledgements

The author wishes to give his sincere appreciation to his advisor, Dr. Yung-Show Fang for his enthusiastic advice and continuous encouragement in the past two years. If there is not the guidance from him, the thesis can not be accomplished.

Very special thanks are extended to Dr. Yii-Wen Pan, Dr. Jyh-Jong Liao, Dr. An-Bin Huang, Dr. Shinn-Yu Shann and Dr. Zhi-Ping Lin for their teaching and valuable suggestions. In addition, the author also wants to express his appreciation to the members of his supervisory committee, Dr. Huang, Ching-Chuan and Dr. Chia-cheng Fan for their helpful advice and discussions.

The author is indebted to his classmates for their stimulating suggestions and the donation of their time. Appreciation is extended to Mr. Jiun-Tsz Lin, Mr. Nan-Cheng Chen and, Mr. Peng-Hui Hou for their encouragement and assistance.

