# RELIABILITY MODELING AND GENERATION PLANNING OF RENEWABLE ENERGY RESOURCES



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> GRADUATE SCHOOL CHIANG MAI UNIVERSITY MAY 2015

## RELIABILITY MODELING AND GENERATION PLANNING OF RENEWABLE ENERGY RESOURCES



A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN ELECTRICAL ENGINEERING

#### GRADUATE SCHOOL, CHIANG MAI UNIVERSITY MAY 2015

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#### **KUNJANA CHAIAMARIT**

### THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN ELECTRICAL ENGINEERING

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#### ACKNOWLEDGEMENT

I would like to express the deepest gratitude to my thesis advisor, Asst. Prof. Dr. Somboon Nuchprayoon. He gives me an opportunity to work on the field that I am interested in. He also teaches me many things not only valuable for the research but also for my life. This thesis would not have been possible without him. I would like to thank my dissertation committees; Assoc. Prof. Dr. Suttichai Premrudeepreechachan, Assoc. Prof. Dr. Sermsak Uatrongjit, Asst. Prof. Dr. Peerapol Jirapong, and Dr. Boonserm Jaengarun for their valuable comments and suggestions that help improving the quality of my dissertation. I also would like to thank Dr. Nuttapong Puttanapong for his useful advice.

I would like to acknowledge the Graduate School, Chiang Mai University for giving financial support in part and the Electricity Generating Authority of Thailand for data support.

Finally, I am very grateful to my beloved family; Mom and Dad, Mrs.Watana and Assoc. Prof. Dr. Vajarabhongsa Bhudhisawasdi, my sister, Dr.Kasama Bhudhisawasdi and my husband, Mr.Chanwit Chaiamarit for their love, encouragement, and patience.

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