

**FABRICATION AND CHARACTERIZATION OF CONDUCTING POLYMER-
SINGLE WALLED CARBON NANOTUBE COMPOSITES THIN FILM BY
ELECTROCHEMICAL-SURFACE PLASMON RESONANCE (EC-SPR)
SPECTROSCOPY FOR THE DETECTION OF SOME
BIOMOLECULES**

SOPIS CHUEKACHANG

**DOCTOR OF PHILOSOPHY
IN CHEMISTRY**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
NOVEMBER 2012

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FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN CHEMISTRY**

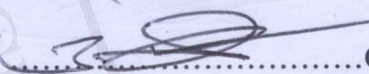
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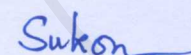
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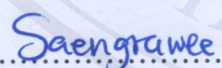
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
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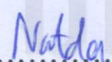
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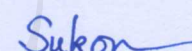
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28 November 2012

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ACKNOWLEDGEMENTS

The thesis has been accomplished with the collaboration between Department of Chemistry, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand and Center for Transdisciplinary Research and Graduate School of Science and Technology, Niigata University, Niigata, Japan.

I would like to express my sincere gratitude and appreciation to many people who have made this mission possible.

I would like to express my sincere thanks and appreciation to my major advisor, Assoc. Prof. Dr. Sukon Phanichphant for her grateful kindness, invaluable guidance, helps, and encouragement throughout my study. The working environment that Assoc. Prof. Dr. Sukon provided cordial and well known to everyone in the laboratory has been like a truly family atmosphere.

I also would like to thank Assoc. Prof. Dr. Akira Baba, my co-advisor at Niigata University, for his guidance, knowledge, opportunity to work in his laboratory and many helpful suggestions. I am also thankful to Dr. Nobuko Fukuda and Dr. Hirobumi Ushijima from National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan for their suggestions on the QCM-D measurements.

Special thanks would go directly to Assoc. Prof. Dr. Udom Sriyotha, Dr. Pichai Pirakitikulr, Dr. Saengrawee Sriwichai, Dr. Paralee Waenkaew and Dr. Natda Wetchakun for their strong constructive valuable comments and also serve in the examination committee.

I am very grateful to the Center of Excellence for Innovation in Chemistry (PERCH-CIC), Thailand and the “Global Circus” Program of Niigata University supported by the Ministry of Education, Culture, Sports, Science and Technology, Japan for financial support during my PhD program. The partial financial supports from Department of Chemistry, Faculty of Science and Graduate School, Chiang Mai University would also be acknowledged.

I would like to thank Prof. Kazunari Shinbo, Prof. Keizo Kato and Prof. Futao Kaneko for their supports, knowledge and grateful kindness throughout my stay in Japan. Moreover, I also like to thank all my colleagues in the research group at the Niigata University, Niigata, Japan for their friendship, helps, suggestions and joys in the laboratory. In addition, I also owe my thankful to the Nanoscience Research Laboratory (NRL) group members for their friendship, helps, joys and sharing many experiences in the laboratory providing the family type of feeling, which is warm and comfortable.

Finally, I would like to express my grateful and the deepest appreciation to all my family members for their understanding and providing a lot of love, kindness advices, suggestions and supports. I would like to credit my success to them.

Sopis Chuekachang