

**CHARACTERIZATIONS OF TITANIUM DIOXIDE AND
DIAMOND-LIKE CARBON NANOCOATING FILM
FORMED BY FILTERED CATHODIC VACUUM
ARC DEPOSITION TECHNIQUE**

CHANWIT ARAMWIT

MASTER OF SCIENCE

IN PHYSICS

GRADUATE SCHOOL

CHIANG MAI UNIVERSITY

MAY 2014

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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
MASTER OF SCIENCE
IN PHYSICS**

GRADUATE SCHOOL, CHIANG MAI UNIVERSITY


MAY 2014


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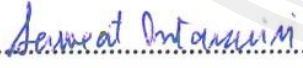
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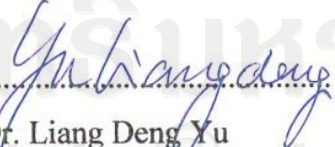
THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
MASTER OF SCIENCE
IN PHYSICS

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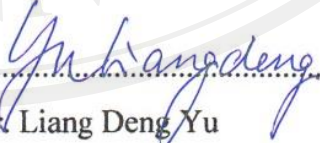

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Chanwit Aramwit