

**SYNTHESIS OF PLATINUM-LOADED TUNGSTEN OXIDE
NANOPARTICLES AND THEIR APPLICATIONS**

THANITTHA SAMERJAI

**DOCTOR OF PHILOSOPHY
IN NANOSCIENCE AND NANOTECHNOLOGY**

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

FEBRUARY 2013

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THANITTHA SAMERJAI

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN NANOSCIENCE AND NANOTECHNOLOGY**

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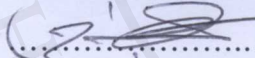
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THIS THESIS HAS BEEN APPROVED
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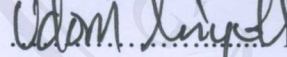
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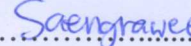
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
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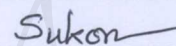
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