



**SYNTHESIS OF TUNGSTEN TRIOXIDE-DOPED ZINC
OXIDE NANOPARTICLES BY FLAME SPRAY
PYROLYSIS AND THEIR APPLICATIONS**

CHAWARAT SIRIWONG

**DOCTOR OF PHILOSOPHY
IN NANOSCIENCE AND NANOTECHNOLOGY**

**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

APRIL 2010

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**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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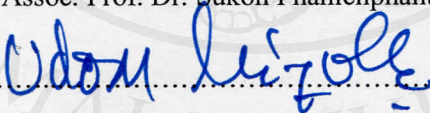
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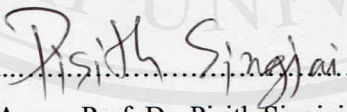
THIS THESIS HAS BEEN APPROVED
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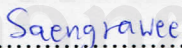
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