

**DEVELOPMENT OF NICKEL OXIDE BASED ELECTRODES FOR
BATTERY-TYPE ELECTROCHEMICAL ENERGY
STORAGE APPLICATIONS**

YAOWAMARN CHUMINJAK

**DOCTOR OF PHILOSOPHY
IN MATERIALS SCIENCE**

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**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
JULY 2017**

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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN MATERIALS SCIENCE

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