

**PREPARATION OF $\text{Cu}_{0.5}\text{Ag}_{1.5}\text{InSe}_3$ P-TYPE SEMICONDUCTOR FOR
THERMOELECTRIC APPLICATIONS BY THE SOL-GEL METHOD**

PATHINEE RATTANANILAMORN

**MASTER OF SCIENCE
IN CHEMISTRY**

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
OCTOBER 2011**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
MASTER OF SCIENCE
IN CHEMISTRY**


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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 CHEMISTRY


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