

**INCORPORATING FUZZY CLUSTERING INTO
GRAY LEVEL CO-OCCURRENCE MATRIX**

YUTTHANA MUNKLANG



**DOCTOR OF PHILOSOPHY
IN COMPUTER ENGINEERING**

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**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
DECEMBER 2016**

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GRAY LEVEL CO-OCCURRENCE MATRIX**

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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN COMPUTER ENGINEERING**

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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
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22 December 2016

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To

My family



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