

**A NOVEL STRING GRAMMAR FUZZY  
CLUSTERING**

**ATCHARIN KLOMSAE**

**DOCTOR OF PHILOSOPHY  
IN COMPUTER ENGINEERING**

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**GRADUATE SCHOOL  
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MAY 2017**

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**A NOVEL STRING GRAMMAR FUZZY CLUSTERING**

**ATCHARIN KLOMSAE**

**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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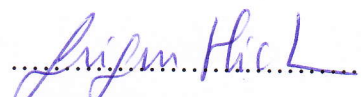
**MAY 2017**


# A NOVEL STRING GRAMMAR FUZZY CLUSTERING


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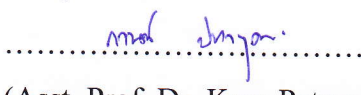
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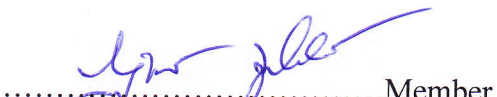
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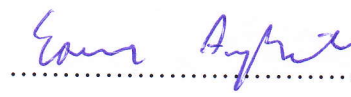
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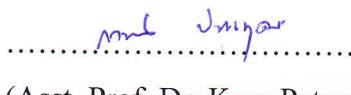
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Atcharin Klomsae