

**CARBURIZATION AND NITRIDATION OF  
TITANIUM-ALUMINIUM ALLOYS**

**CHATDANAI BOONRUANG**

**DOCTOR OF PHILOSOPHY  
IN MATERIALS SCIENCE**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
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5 September 2005

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Now, my time has come...

Chatdanai Boonruang

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