

THE GRADUATE COLLEGE  
WESTERN MICHIGAN UNIVERSITY  
KALAMAZOO, MICHIGAN

Date July 8, 1999

WE HEREBY APPROVE THE DISSERTATION SUBMITTED BY

Daniel P. Renusch

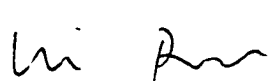
ENTITLED Evaluation of Raman Spectroscopy and Ruby Piezospectroscopy  
as Tools for Investigating the Corrosion of Metallic Alloys

AS PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE

DEGREE OF Doctor of Philosophy

Physics

(Department)



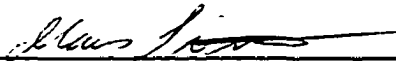
Dissertation Review Committee Chair



Dissertation Review Committee Member



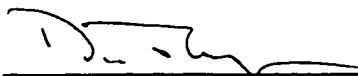
Dissertation Review Committee Member



Dissertation Review Committee Member

Clement Burns

APPROVED



Dean of The Graduate College

Date August 7, 1999