

Student

Project

Adviser, Year

Russell A. Chernenkoff

The Effect of Cyclic Loading on the Residual Stresses of a Shot Peened Power-Forged Copper Steel

Dr. Korolov, 1993

Ralph William White

The Study of Dacrotizing Process for Fastener Application Using Traditional Method of Design of Experiment

Dr. Korolov, 1994

Saleh Al-gobaisi

An Electromagnetic Vehicle Based on The Concept of Linear Induction Motor

Dr. Yeh, 1994

Paul R. Bernier

Experimental and Numerical Analysis of Sound Radiation From a Vibrating Plate

Dr. Sheyman, 1995

Klaus H. Pump

A Simplified Mathematical Model for Motor Vehicle Ride Response Analysis

Dr. Sheyman, December 1995

Steven M. Avila

Investigate the Feasibility of Using Microscopy for Detecting Voids in Cables: A Prelude to preventing Partial Discharge

Dr. Yaprak, 1995

James J. Kerin

Design and Implementation of a in-line Rotary Cutter to Cut Small Diameter Stainless Steel Tubing

Dr. Ssmakula, 1995

Paul J. Hubbard

Reliability Analysis of Commercial Electric Vehicle Power Train Design Using Military Handbooks as a Guideline

Dr. Sheyman, 1995

Mark Alan Pirkola

Design of a Graphical User Interface to Increase the speed and Accuracy of Counting Radioactive Particles in the Blood Cell

Dr. Yeh, December 1996

Abushet Tache

Design of Software Based Data Communication Program for DOS Based PCs

Dr. Yeh, January 1996

Lars Anderson

Design and Implementation of a Tenter Frame Conveyor Servo

Dr. Chickamenahalli, December 1997

Steve Randlett

Design and Development of a Global Positioning System (GPS) Tracking Device

Dr. Yeh, December 1997

Cedric D. Dukes

Study of a Cooling System For Powertrain Control Modula

Dr. Yeh, December 1997

Vincent Janis

Design and Simulation of an Electronic Root Canal Measuring Instrument

Dr. Yeh, April 1997

Steven Knott

An Investigation into the Effects of Induction Brazing Factors on Cubic Boron Nitride Tool Braze Strength

Dr. Ssemakula, December 1997

Perry M. Paielli

Implementation of an Artificial Neural Network in Engine Control Computers

Dr. Chickamenahalli, April 1998

Robert L. Andres

Design of a Motion Control System Based on Open-Architecture

Dr. Rathod, December 1998

Raad Konja

Development of a Closed Loop Controller for a Water Level Sensor

Dr. Yeh, April 1998

Richard C. Vanitvelt

The Next Generation Automotive Body control Module

Dr. Yaprak ,May 1998

Marc Wilkins

Investigation the Influence of Temperature and Humidity on the Retention of Needles in gear and Needle Bearing Assemblies

Dr. Sheyman, May 1998

Letitia Ann James

Design of a Web-Based Courseware for a Reliability and Engineering Statistics Course

Dr. Yeh, April 1998

John P. Schultz

Design of an Integrated Grille System and Stabilizer Bar

Dr. Sheyman, December 1999

Michael W. Kirkland

Development of a Neuro-Fuzzy Controller for Shape Memory Alloy Actuators

Dr. Kumagai, August 1999

Raed H. Jaber

Establishment of Transient Characteristics of a Power Converter

Dr. Chickamenahalli, May 1999

Harley Roy Hammond III

Implementing a Machine Vision System for Tire Rim Assembly

Dr. Yeh, August 2000

Ramez M. Haidar

Development of a Monitoring System for Vehicle assembly Tracking

Dr. Yeh, August 2001

Dave Bandranke

Design of a PC Based System Architecture for a Non-Contact Alignment Machine

Dr. Yeh, December 2001

Guangming Zhou

An Application of Optimal Control Theory to the Design of an Excitation Controller for Synchronous Generators

Dr. Yeh, November 2003

Paul A. Hozian

Application of Fuzzy Model Reference Learning Control to Electrohydraulic Position Control Systems

Dr. Liao, December 2003

Imad Elzein

Development of a Matlab Environment in Modeling a Light Fuzzy Inference System

Dr. Belu, December 2004

Martin d. Case

Integrating Vehicle Diagnostic Trouble Codes Into the Quality Feedback Process

Dr. Liao, April 2004

Deepak Gupta

Development of Software for the Automation of Isolation Transformer Designing

Dr. Yeh, December 2004

Kanta Nepal-Sharma

Conceptual Design of a Real-Time Control System for Hybrid Vehicle Using Publish-Subscribe Middleware

Dr. Yaprak, August 2006

Desderius S. Ngunangwa

Computer Simulations of Harmonics Generated by Power Electronics and the Effect they have on Power Quality

Dr. Yeh, August 2006

William S. Jeter

A Computer Simulation of IGBT Control of a 1494 KW DC Motor

Dr. Yeh, December 2005

Hamed H. Zaidan

Investigating the Causes of Shoe Walk in Drum Brake Systems

Dr. Ssemakula, December 2002

Ioan Sibisan

Analysis and Simulation of a Transient and Voltage Stability in Power Systems

Dr. Yeh , December 2006

Imad Elzein

Development of a Matlab Environment in Modeling a Light Fuzzy inference System

Dr. Belu, December 2004

Piotr Idzkowski

Development of MatLab Based Applications for the Analysis of Transient Stability of Power Systems

Dr. Belu , May 2004

Qunfang Liao

Can Bus and PM BLDC Motor Control for Hybrid Vehicle

Dr. Liao, December 2006

Thirunavukkarasu Ramasamy

Design and Analysis of End Effectors Layout for Compliant Sheet Metal Parts Handling

Dr. Liao, December 2006