

ENGR 1050 - Product Realization

Cost Optimization of Metal-cutting Devices

Project Supervisor: Paul Pritchard, Kennametal, Inc

Noah Gerber

Jim Kardos

Nick Hill (ME)

Ed Antosz (ME)

Development of a Prototype Pill Dispenser to Monitor Medication Adherence

Project Supervisor: Mike Lovell

Yamen Domat

Hoang Nguyen

Jay Jacobs (ME)

Development of Clean/Fresh Water System Devices

Project Supervisor: Melissa Bilec (CEE)

Mark Logan

Chris Janosco (IE)

Rachel White (CBA)

Valerie Jamison (CBA)

CS 1567 - Programming and System Design using a Mobile Robot Platform

I-Robot Create

Project Supervisor: Don Chiarulli

Nathaniel Wetzel

Cooperative Education

Co-op at AK Steel Butler Works

AK Steel

John O'Leary

Co-op with Argon ST

Argon ST

Ryan Balthaser

Ryan McCarty

LOLI Desktop Chemical Data Application

ChemADVISOR, Inc

Yamen Domat

Co-op with the Department of Defense

Department of Defense

Peter Tipton

Compunetix/ANSYS

Compunetix/ANSYS, Inc

Nathaniel Wetzel

Union Switch and Signal

Union Switch and Signal

Dan Fisher

Tim Mudrick



SENIOR DESIGN EXPOSITION AND COOP POSTER FAIR

SPRING 2008

**FRIDAY, APRIL 18, 2008
1 PM - 3 PM**

**THIRD FLOOR
BENEDUM HALL OF
ENGINEERING**

**UNIVERSITY OF
PITTSBURGH**

Senior Design and Engineering Projects

ECE/COE 1898 - Engineering Project

Labview Automation

Project Supervisors: Kevin Chen and Calixto Garcia (MEMS)

Jordan Negley

Corporate Integration Testing Project for ANSYS, Inc

Project Supervisor: Shi-Kuo Chang (CS)

Noah Gerber

Enhanced Diagnostic Agent Bolus Sharpness through Model Based Digital Control

Project Supervisor: Zhi-Hong Mao

Aaron Hughes

ALU From Transistor Level Using Cadence Tools

Project Supervisor: Alex K. Jones

Peter Haskins

Anthony Jackman

Collin Langdon

International Waldenstrom's Macroglobulinemia Foundation's Database Project

Project Supervisor: Ron Hoelzeman

Anthony Ricciardi

Software Design - Collaboration Suite

Project Supervisor: John Ramirez

Keith McBride

Bradley Slezak

ECE/COE 1896 - Senior Design Project

Computer Applications for Solving Power Optimization

Project Supervisor: Greg Reed

Joshua Skaist

Drew Wolf

Dynamic HF/UHF RFID Analysis for Applications in Automated Highway Systems

Project Supervisor: Marlin Mickle

Michael Chrin

Ralph Lewis

Brendan Pacelli

DIPS-FS: Optimized File System for Power Consumption and Availability

Project Supervisor: Ahmed Amer

Steven Chimes

Michael Davis

Bryan Lester

Jordan Soyke

Microphone Sensor for Swallow Detection

Project Supervisor: Mingui Sun

Zhong Leo Lu

Mark Salamacha

Nodal Parking Management System

Project Supervisor: Marlin Mickle

Abhijit Bhattacharjee

Matt Eason

Andy Gu

Perry Servedio

Peter Tipton

RFID Proximity Alarm

Project Supervisor: Marlin Mickle

Shayne Bell

Kirt Bush

Ryan Hallermeier

Jay Johnson

Brendan Shapiro

Recognition of R's and L's Using Formant Frequencies

Project Supervisor: Steven P. Jacobs

Julie Kleinman

Robert O'Connor

Train Detection in Dark Territory Using RFID Technology

Project Supervisor: Marlin Mickle

Sean Dowhy

Jennifer Radebaugh

Tunable White Light Device Using Red, Green, and Blue LEDs

Project Supervisor: Bill Stanchina

Joseph Cappeta

Andrew Gordon

Daniel Kheloussi (EPHYS)

ECE 1161 - Embedded System Design

Embedded Arcade

Project Supervisor: Peter Hawrylak

Greg Colone

Nicholas Leonard

Sean Nagle

Embedded Automated Hockey System

Project Supervisor: Peter Hawrylak

Zach Mazar

Eric Rosswog

Electronic Guitar Gaming System

Project Supervisor: Peter Hawrylak

Ryan Balthaser

Dan Fisher

Scott Weiner

A Fully Autonomous Sentry Gun System

Project Supervisor: Peter Hawrylak

Kingsley Adeoyo

Kirsten McCane

Michael Rothfuss

Voice Modulation Playback Recorder Device (VMPRD)

Project Supervisor: Peter Hawrylak

Doug Marshall

Dave Thurston