

Product Realization and Implementation
ENGR 1050 and ENGR 1051

Blink Right for Healthy Eyes

Paul Jesse

Jason Pendergast

Faculty Supervisor: Dr. Mickle

Remote Valve Actuator

Ann DeRee

Shankar Khanna

Joseph Troyan

Faculty Supervisor: Dr. Mickle

Wireless Smoke Detector Infrastructure

Dale Liszka

Jacob Repanshek

Faculty Supervisor: Dr. Mickle

Mass Immunization Device

Habib Benjamin

Mathew Derr

Steven Hackworth

Shane Messina

Faculty Supervisor: Dr. Lovell

Introduction to Compiler Design: CS 1622

Faculty Advisor: Dr. Mary Lou Soffa

A Compiler for the Simple Language

William Yankel

Compiler Design

Tian-Yao Yu

Designing a Simple Compiler

Andrew Smolak

Simple Compiler in Java

Jason DeRose

Simple Compiler in Java

Justin Longstreth

Panther Electric Vehicle

Faculty Advisor: Dr. Steve Jacobs

Cooperative Education

Software Engineering

Istiaque (George) Ayub

Rockwell Software

ANSYS Analysis Geometry Processor

Aaron Benek

ANSYS, Inc.

Cooping Close to Pitt

Mathew Derr

Compunetix, Inc.

Ansys, Inc. Software Development

Ryan Frenz

ANSYS, Inc.

General Electric Power Systems

Sang-Yaw Liou

General Electric Power Systems

General Electric Power Systems

Matthew Schapiro

General Electric Power Systems

**NIX Administration*

Gregor Steindl

United States Steel

The Sweetest COOP on Earth - Applications Delivery

Eric Vitale

Hershey Foods Corporation

Co-op with Ansys

William Yankel

ANSYS, Inc.

Co-op Experience with Ansys

Tian-Yao Yu

ANSYS, Inc.

Video Inspection System

Geoffrey Zeiss

Carbon Steel Inspection



UNIVERSITY OF
PITTSBURGH

Electrical Engineering
Computer Engineering

Spring Term 2003
Senior Design
Exposition and
COOP Poster Fair

Friday, April 18, 2003
1 pm - 3 pm

Third Floor
Benedum Hall of
Engineering

Senior Design Project

Coordinator: Dr. Ray Hoare

AC Motor Monitor Circuit

Jim Skoczlas

Faculty Supervisor: Dr. Kusic

Hallrunner

Benjamin Bertz

Michael Delaney

Robert Strube

Faculty Supervisor: Dr. Jacobs

Homopolar Generator

Joel Ayres

Ben McMillen

Faculty Supervisor: Dr. Kusic

Investing Now Database Design Project

Roosevelt Bryant

Victor Ike

Stacy Murphy

Faculty Supervisor: Dr. Levitan

Light Guided Cars

Michael Baldauff

John Brancolini

Eric Pfister

Faculty Supervisor: Dr. Jacobs

Low Cost IR Robot Positioning System

Justin Beckwith

Bonnie Cox

Kylee Smith

Faculty Supervisor: Dr. Chiarulli

Method for Evaluating PIP Joint Stiffness

Miles Dowiak

Jeffrey Shellenberger

Faculty Supervisor: Dr. Li

Motorized Head-Holder for Surgical Applications

Matthew Clayton

Rashida Doyle

Erick Glass

Ryan Petrilla

Faculty Supervisor: Drs. Boston and Sashin

Palm OS

Abraham Mathew

Dhaval Mehta

O'Neal Mistry

Faculty Supervisor: Dr. Kabera

Remote Operated Door Lock

David Moog

Damir Saric

Faculty Supervisor: Dr. Kusic

Software Radio

Wai-Ting Ng

Faculty Supervisor: Dr. Lee

Strain-Induced Y Branch Optical Waveguide

Brandon Conover

Faculty Supervisor: Dr. Kim

The M.R. Fluid Container

Sameer Khanna

Matthew Mullins

Larry Scholl

Faculty Supervisor: Dr. Plassack

Web Camera

Calvin Lee

Kai Liao

Lucas Milliron

Faculty Supervisor: Dr. Hoare

Engineering Project

Active Fiber Bragg Grating Flow and Pressure Sensor

Zachary Casella

Charles Jewart

Faculty Supervisor: Dr. Chen

Automated Object Detection for Magnetic Resonance

(MR) Images of the Brain

Dara Kusic

Faculty Supervisor: Dr. Boston

Flow Sensor

Stephan Grubisa

Joseph Hinsinger

Molly Rowlands

Matt Smochek

Faculty Supervisor: Dr. Chen

Java Security for Dynamically Plugable Components

Christopher Scott

Faculty Supervisor: Dr. Hoare

Predicting Arithmetic Logic Unit

Daniel Zeevi

Faculty Supervisor: Dr. Chiarulli

Radio Frequency Identification

Maxwell Clark

Geoffrey Dobson

David Steed

Faculty Supervisor: Dr. Mickle

Software Dynamic Translation for the Sony Playstation 2

Stacey Shogan

Faculty Supervisor: Dr. Childers

Software Radio

Samuel Dickerson

Faculty Supervisor: Dr. Lee

Videoconferencing System Using the Java Media

Framework

Dara Kusic

Amy Ridilla

Bentz Tozer

Faculty Supervisor: Dr. Hoare

Embedded Systems

Faculty Advisor: Dr. Tom Cain

Automated Model Railroad Controller

Thomas Sylvester

Charles Zimmer

Compact Motion Controller Tester

Peter Crist

Kevin O'Connor

Jason Smathers

Digital Percussion Synthesizer

Andrew Milbower

Gregor Steindl

Embedded DNS and DHCP Server

Joseph Atzinger

Smart Pill Dispenser

Deborah LeDonne