

Temperature Sensing and Display System (COE 1160)

Faculty Advisor: Dr. Tom Cain

Vincent Forbes

Francis Frisina

Erin Loutzenhiser

Temperature Sensing System (COE 1160)

Faculty Advisor: Dr. Tom Cain

Matthew Schapiro

Eric Vitale

The Brace (COE 1896)

Faculty Advisor: Dr. Richard Simpson

Nicholas Swierczek

Robert Washington

Using Slack Time to Reduce Power Consumption in a 6-bit Multiplier (EE/COE 1192/2192)

Faculty Advisor: Dr. Ivan Kourtev

Kalpana Jayaraman

Nazneen Khan

James Larkby-Lahet

Nick Stabinsky

Wireless Headset Development for Vocollect Talkman (ENGR 1050)

Faculty Advisors: Dr. Marlin Mickle and Mr. Frank Marx

Chuck Jae

Steve Lucchino

Michael Reb

Cooperative Education

My Ansys Experience

Ansys, Inc.

Maurice Artis

Systems and Acceptance Testing

Ansys, Inc.

Anthony Campbell

Video Conferencing and The Goodyear Global Web

Goodyear Tire and Rubber Company

Steven Caplan

DesignXplorer

Ansys, Inc.

Jason DeRose

My Ansys Experience

Ansys, Inc.

Brad Diggins

Co-op at U.S. Steel

United States Steel Corporation

Jay Gaynor

Applied Control Systems

Applied Control Systems

Steven Hackworth

Development/Testing Tools

Ansys, Inc.

Kevin Kibler

Design Modeler

Ansys, Inc.

Justin Longstreth

Co-oping at Westinghouse

Westinghouse

Shane Messina

Co-op with Atlantis Technologies

Atlantis Technologies

Jeff Moore

PennDOT Co-op Experience

Pennsylvania Department of Transportation

Jessica Patla

Michael Smith

Product Automation

Advanced Integration Group

Scott Sinclair



**UNIVERSITY OF
PITTSBURGH**

*Electrical Engineering
Computer Engineering*

**Fall Term 2003
Senior Design
Exposition and
COOP Poster Fair**

**Friday, December 5, 2003
1 pm - 3 pm**

**Third Floor
Benedum Hall of
Engineering**

Senior Design and Engineering Projects

4-bit Multiplier Power Consumption Reduction Due to Dual Supply-Voltage Using CMOS Logic (EE/COE 1192)

Faculty Advisor: Dr. Ivan Kourtev

James Geisler

Matt Hicks

Meredith Minger

Mark Smorul

A 4-bit Carry Save Adder with Dual Power Supply Voltages (EE/COE 1192/2192)

Faculty Advisor: Dr. Ivan Kourtev

Naresh Menon

Rahul Nadella

Rohit Santhanam

Harshit Shah

Application of Object Oriented Framework to Rapid Program Development (EE 1898)

Faculty Advisor: Dr. Ivan Kourtev

Elizabeth Graham

BLAST to Hardware (EE/COE 1896)

Faculty Advisor: Dr. Ray Hoare

Charles Diemert

James Doty

Zachary Reedy

Randy Staab

Blink Right for Healthy Eyes: Testing Procedure (ENGR 1050)

Faculty Advisors: Drs. Tonya Stefko, Michael Lovell, and Marlin Mickle

Joseph Hale

Bluetooth Fire Fighter Helmet (EE 1896)

Faculty Advisor: Dr. Marlin Mickle

Wen-Chieh Yu

Chips Integration (EE/COE 1896)

Faculty Advisor: Dr. Ray Hoare

Bill Casey

Ron Glassman

Jeff Moore

Tim Palko

Ed Shebatka

Dual-Voltage, 4-bit Multiplier Integrated Circuit (EE/COE 1192)

Faculty Advisor: Dr. Ivan Kourtev

Ben Herr

Edward Saad

Nick Sprankle

Matt Stafford

Dual-Voltage, Power Saving 4-bit Carry Look-Ahead Adder (EE/COE 1192/2192)

Faculty Advisor: Dr. Ivan Kourtev

Rashida Doyle

Christopher Hurley

Michael Niesslein

Bentz Tozer

Kurt VanRyzin

Embedded System Motor Controller for Miniature Golf Course Obstacle Application (EE 1160)

Faculty Advisor: Dr. Tom Cain

Tim Carey

Jim Huselton

Example of Reduced Power Consumption Using Two Power Supplies via a 4-bit Multiplier Implemented with Carry-Save Adders (COE 1192)

Faculty Advisor: Dr. Ivan Kourtev

Josh Fazekas

Brandon Marzec

Robert Oswald

Jared Preston

Fiber-Bragg Grating Fabrication (EE 1896)

Faculty Advisor: Dr. Kevin Chen

Chuck Jewart

Hong-Lien Pham

Matthew Schwantes

Hydrogen Safety System (EE 1898)

Faculty Advisor: Dr. Tom Cain

Zachary Casella

Low-Frequency RF Spatial-Mass Tracking System with Servo Controlled, Photon Emitting Source (EE 1896)

Faculty Advisor: Dr. Michael McCloud

Jake Britsch

Chris Desmond

Marcello Giori

Erich Nowe

Musical Effects Processor (EE 1898)

Faculty Advisor: Dr. Steve Jacobs

Chris Desmond

Nameserver for KSI Virtual Classroom Tools (COE 1896)

Faculty Advisor: Dr. Shi-Kuo Chang

William Yankel

Power Reduction in CMOS Technology Utilizing Dual Power Supply Voltages (EE/COE 1192)

Faculty Advisor: Dr. Ivan Kourtev

Tim Carey

Francis Frisina

Jonathon Puff

Derek Sorg

Power Savings Using Dual Supply Voltages (EE/COE 1192)

Faculty Advisor: Dr. Ivan Kourtev

Ryan Barney

Dan Butor

Adam Shash

Chris Wilson

PST Response Box and External Peripheral Interface (ENGR 1050; EE/COE 1896)

Faculty Advisor: Mr. Frank Marx

Maurice Artis

Stephanie Foster

Bryan Gennari

Janine Jones

Jacklyn McCluskey

Zakiyyah Shaheed

Geoff Zeiss

Radio Frequency Harvesting Project (EE 1896/1898)

Faculty Advisor: Dr. Marlin Mickle

Brian Crampton

Stephen Grubisa

Denny Knorr

Matt Mullins

Judy Sciullo

Bill Smith

Speech Recognition (EE 1896/1898)

Faculty Advisors: Drs. Amro El-Jaroudi and Luis Chaparro

Jeff Schuster

April Skiffen

Brenda Stahlman