

ANSYS, Inc

My Co-op Experience at ANSYS, Inc
Brian Bell

Software Development at ANSYS, Inc
Jay Bird

Windows Software Engineering at ANSYS, Inc
Nicholas DiSaia

Testing and Development at ANSYS
James Esper

Carbon Steel Inspection, Inc

Where has CSI taken me?
Jeff Newman

National Radio Astronomy Observatory

Co-op at National Radio Astronomy Observatory
Benjamin McCarney

Respironics, Inc

One Vision, One Dream
Matthew Corbin

Union Switch & Signal

Train Supervision, Automation and Control
Justin Geibel

My Co-op at Union Switch & Signal
Matt Myers

United States Steel

US Steel Networking and Client Support
Andrew McNally

Global Service Desk at US Steel
Jonathan Murray

Verizon Wireless

Network Engineering at Verizon Wireless
Aaron Huba

Network Engineering at Verizon Wireless
Corey Shaffer

Vocollect, Inc

Enterprise Applications and Speech Recognition Co-op
Brian Rupert

University of Pittsburgh

school of engineering
**electrical
& computer
engineering**

**SENIOR DESIGN
EXPOSITION**

AND

**COOPERATIVE
EDUCATION POSTER
FAIR**

FRIDAY, DECEMBER 9, 2005

1:00-3:00 PM

3RD FLOOR BENEDUMHALL

SENIOR DESIGN PROJECTS

Commercial Killers

Project Supervisor: Dr. Steve Jacobs

Michael Fuerch

Donald Martin

Benjamin McCarney

Michael McElhinny

Doormentor

Project Supervisor: Dr. Marwan Simaan

Sivram Bandhu

Hitesh Tanwani

Dynamic Voltage Switching of Memory Chips

Project Supervisor: Dr. Daniel Mosse

William Klieber

Java Application for USB-enabled FPGAs

Project Supervisor: Dr. Ray Hoare

Brian Rupert

HP Power Meter Interface

Project Supervisor: Dr. Marlin Mickle

Christopher Bossé

Chiang Hsuan-Jen

The Light Bulb Project

Project Supervisor: Dr. Marlin Mickle

Andrew Hughes

John Macho

Anthony Mosesso

Christopher Sprague

Light Intensity Controller

Project Supervisor: Dr. Tom Cain

Jay Bird

James Esper

Power Analysis of an 8051 Microcontroller

Project Supervisor: Dr. Marlin Mickle

Michael Taft

RFID Backscatter

Project Supervisor: Dr. Marlin Mickle

David Haefele

Michael Hoffmann

Robert Nickl

William Staude

RFID Football Game

Project Supervisor: Dr. Marlin Mickle

Ibrahim Aliyu

Jennifer Costello

Olaedo Mbonu

Amal Zenati

RFID Shopping Cart

Project Supervisors: Dr. Marlin Mickle and Mr. Frank Marx

Reagan Ataman

RFID Tagging for GSK Promotions

Project Supervisor: Dr. Marlin Mickle

Derek Mason

Andrew Nagy

Daniel Wilson

Thermally Tunable Extrinsic Fabry-Perot Filter

Project Supervisor: Dr. Kevin Chen

Balkaran Mann

Hady Thoyyib

Wireless Environmental Data Acquisition System

Project Supervisor: Dr. Steve Jacobs

Nicholas DiSaia

VLSI

DR. IVAN KOURTEV

8 Bit Carry Look-ahead adder

Anthony Chioda

Shane McManus

Matt Myers

A 6-bit Dual-Voltage Multiplier

Curtis Hoover

John Murray

Justin Stander†

Analysis of a Dual-Voltage Supply

Barrel Shifter

Avram Avishai

Arnaldo Noyola†

Michael Ruhe

Dual Power Design of a 6x6 Wallace

Tree Multiplier

Thomas Christophel

Andrew McNally

Benjamin Slavin

Dual-VDD Carry Look-ahead adder

Salman Arif†

Chris Birkhimer

Victor Puchkarev

Dual Voltage Supply 2 Digit BCD

Adder

Zhuo Chen†

Erich Sabo

Joshua Stachel

†Indicates Graduate Team Member