

COOPERATIVE EDUCATION

ABB, Inc.

Power Distribution and Transmission
Dan Driggers

Aerotech, Inc.

Soloists and Ensembles
Pavel Puchkarev

ANSYS, Inc

Co-op Experience at ANSYS
Julie Pagano
Stephen Ramusivich

Co-op Experience at ANSYS, Inc
Trevor Patrie

My Co-op at ANSYS
Chris Winsor

Colorcon

Colorcon Co-op
Nicholas Bacon

First Energy

Energy Delivery
Matthew Clay

GE Fanuc Automation, Inc

Component Engineering at GE Fanuc
Jeff Fodiak

National Security Agency

NSA Co-op
Michael Miller

Pennsylvania Department of Transportation

Information Technology
Craig McDaniel

R.E. Crawford Construction

Practical Database Applications
Liz Renninger

Union Switch and Signal

Co-op at US&S
Timothy Gruber

Co-op Experience at US&S

Ben Johnson
Natalie Schneider

Co-op at Union Switch and Signal
Alissa Schneider

Curtis-Wright Electro- Mechanical Corporation

Co-op at EMD
Eric Shields

United States Steel Corporation

Co-op at US Steel
Paul Powell

Verizon Wireless

Verizon Wireless: It's the Network
Amy Gromen

A Co-op with Verizon Wireless
John Kilcoyne

It's the Network
Kevin Marnik

Weyerhaeuser

Co-op Experience Weyerhaeuser
Michael Wolff

University of Pittsburgh

school of engineering

**electrical
& computer
engineering**

SENIOR DESIGN EXPOSITION

AND

COOPERATIVE EDUCATION POSTER FAIR

FRIDAY, DECEMBER 8, 2006

1:00–3:00 PM

3RD FLOOR BENEDUM HALL

SENIOR DESIGN PROJECTS

AAV-Mini

Project Supervisor: William Clark
KimWai Lam*
Jeremy R. Romeiko

Academic Project Management

Project Supervisor: John Ramirez
Konstantin Gorshkov
Christopher Winsor

Automated Electrocautery Sheath

Project Supervisor: Frank Marx
Nicholas Bacon
Brett Rettura

Development and Implementation of a Thermoelectric Generator

Project Supervisors: Lisa Weiland, J.R. Boston
Raghav Khanna
Ryan Marino
Usman Mushtaq
Andy Tomaswick

In Store Promotional Display Tracking

Project Supervisors: Marlin Mickle, Frank Marx
Brandon Cole
Sam Taggart

LF/MF Energy Pad - Design Prototype and Measurement

Project Supervisor: Mingui Sun
Xueling Lu

Lightning Protection Evaluative Simulation

Project Supervisors: Alec Stewart, J.R. Boston
Denis Cunningham
J. Michael Gorham
Derek Niederhut

Music Processing

Project Supervisor: Steve Jacobs
Kim Curry
Tim Muckian

Power Management Solutions

Project Supervisor: Gregory Reed
Rob Cioffi
Ryan Young

RF Crowd Interest Identification System

Project Supervisor: Marlin Mickle
Alexander Andreyev
Brandon Hammond

Robo-Copter

Project Supervisor: Kevin Chen
Ali Alibeji
Matthew Clay
Mehdi Dhomon

S³: Student Scheduling Solutions

Project Supervisor: John Ramirez
Julie Pagano
Stephen Ramusivich

Solar-Assisted Battery Charger

Project Supervisor: Gregory Reed
Bryan Buterbaugh
Dan Driggers
Jeff Fodiak
Chris Kudrick

Spring-loaded Door Slow Down Device

Project Supervisor: Frank Marx
Kenneth Hoge
Kirsten McCain
Christian Watts

Temperature Control System

Project Supervisor: Tom Cain
Jeremy Herrman
Jonathan Skrzycki

Uncool COOL Compiler

Project Supervisor: Mark Kahrs
Justin Fiore*
Pavel Puchkarev

Virtual Access Lab (VAL)

Project Supervisor: Steve Yount, Ron Hoelzeman
Shaun Scrafford
Sara Wolfe

Wavelet-based Fusion of PET and MRI Brain Images

Project Supervisors: C.C. Li, Julie Price
Robert Proie
Kent Wills