

RFID for the Visually Impaired

Dr. Marlin Mickle

Matt Myers

Kevin Waldrop

SecuraMax: A One-Time-Password Encrypted

Electronic Safe

Dr. Tom Cain

Daniel Feizet

Jeffrey Rodgers

Soundwarrior

Dr. Howard Kuhn

Michael Holodnak

Triple-tuned (H, Na, Rb) Parallel Cosine RF MRI

Coil

Dr. Fernando Boada

Jia-Shing (Joy) Chow

Cooperative Education

Hierarchical Data Storage and Reconfigurable Computing

NASA Langley Research Center

James Amadei

Co-Op Work Experience with the DoD

Department of Defense

David Corsello

Co-Op at Medrad

Medrad, Inc

Elias George

Co-Op at AIG

Advanced Integration Group

Sean Kluse

Co-Op

Ansys, Inc

Kevin Spinella



**UNIVERSITY OF
PITTSBURGH**

***Electrical &
Computer Engineering***

**Spring Term 2005
Senior Design
Exposition and
COOP Poster Fair**

**Friday, April 22, 2005
1 pm - 3 pm**

**Third Floor
Benedum Hall of
Engineering**

*Graduate Team Member

Senior Design and Engineering Projects

Bio-Inspired Electric Power Delivery Antenna

Dr. Mingui Sun

Daliang Leon Li

A Compiler for the Simple Language

Dr. Mark Mock

Ahmed Muaydh

Credit Card Verification

Howard Kuhn

Mohamed Dheen

Shawn McVay

John Schweizer

Jason Wennah

Cyclone XLS: Bike Computer System

Dr. Tom Cain

Tim Erin

Elias George

Kurt Legerlotz

The Data Forest

Dr. Ray Hoare

Colin Ihrig

Barry Wandel

Defending Against Denial of Service Attacks

Dr. Taieb Znati

James Amadei

Daniel Pازهoski

Scott Sweeny

Difference Amplifiers

Dr. Mahmoud El Nokali

Charles Trenk

EMOS: Engine Management and Optimization System

Dr. Tom Cain

Andrew McNally

Steven Whetstone

Faculty Activities Database

Dr. Panos Chrysanthis

Phil Zimich

Jeremy Walker

Bethany Zokaites

An FPGA-based VLIW Processor with Custom Hardware

Drs. Alex K. Jones and Ray Hoare

Justin Stander

Josh Fazekas*

John Foster*

Dara Kusic*

Gayatri Mehta*

Hand Orientation Device for the Visually Impaired (HODVI)

Dr. Howard Kuhn

Melanie Golembiewski

Matthew Hensinger

Kevin Spinella

Magazine Operated Paintball Marker

Dr. Howard Kuhn

Nathaniel Bell

Methods in Reverse Engineering

Dr. Howard Kuhn

Igor Berkovich

MIDI Interface for Analog Music Synthesizers

Dr. Tom Cain

David Panseri

Motor Bearing Failure Detection

Dr. George Kusic

Sean Kluse

Multi-Purpose Wireless Network for Service Professionals

Dr. Yasir Khalifa

Jason Blatt

Caroline Bouris

Sulaiman Harris

Jason Wennah

Packet Sniffer

Dr. Ray Hoare

Jay Bird

Jonathan Murray

Kyle Patel

Adam Rogers

Photonic Crystals

Dr. Kevin Chen

Hansen Brenkus

Zsolt Poole

Robert Rencewicz

PLL-Based Inline FM Audio Modulator

Dr. Steve Jacobs

Adam Goldbach

Aaron Huba

Matthew Musko

Kim Okinsky

Real-time DSP Implementation of Adaptive Noise Filtering

Drs. Bob Boston and Steve Jacobs

Joe Lukasko

Ryan Newman