Senior Design Project Presentation Competition 2004

Presented by
The Engineering Alumni Society
Proud Sponsor

Tuesday, April 27, 2004
Wu and Chen Auditorium, Levine Hall

8:00 JUDGES ARRIVE

8:15-9:00 JUDGES DISCUSSION/INSTRUCTION, Mezzanine, Levine hall

MECHANICAL ENGINEERING AND APPLIED MECHANICS

9:00-9:15 Paul Silberschatz:
“Ventless Clothes Dryer”
Advisors: Terry Kientz, Dr. Noam Lior

9:15-9:30 Frederik W. Heger:
“Design and Implementation of a Rollerblading Robot”
Advisor: Dr. Vijay Kumar

9:30-9:45 Rafael Ochoa, Andy Poenicke, Andres Garro:
“Reduction of Bridge Pier Scouring”
Advisor: Dr. Ira Cohen

ELECTRICAL ENGINEERING

9:45-10:00 Sameer Qudsi, Ramu Pratiwadi, Sandip Saha:
“AquaNet - Low Power Water Analysis Network”
Advisor: Dr. Jay N. Zemel

10:00-10:45 BREAK PHOTOS SESSION
COMPUTER AND INFORMATION SCIENCE

10:45-11:00 Stephen MacCrory and Howard Vetger:
“Penn Course Review, Online Course Evaluation System”

CHEMICAL ENGINEERING

11:00-11:15 Greg Hallahan & Jonathan Sussman:
“Production of Pentafluoroethane from Tetrachloroethylene and Hydrogen Fluoride”
Advisor: W. D. Seider

11:15-11:30 Brendan Boyle, Chris McGrady, Mackenzie Tepel:
“Thermochemical Splitting of Water”
Advisor: J. C. Crocker

MATERIALS SCIENCE/CHEMICAL ENGINEERING

11:30-11:45 Sean Cusack, Eiji Takizawa, and Joyce Tam:
"Silicon Wafers Through the Use of the Czochralski Growth Process”
Advisor: T. R. Sinno

11:45– 1:15 LUNCHEON, PROUDLY SPONSORED BY LOCKHEED MARTIN
Lobby, Levine Hall

COMPUTER AND INFORMATION SCIENCE

1:15-1:30 Mike Daglian:
“UMC: The Universal Message Center”

1:30-1:45 Gayle Laakman:
“Fetcha Calendaring and Scheduling System”

SYSTEMS ENGINEERING

1:45-2:00 Alison M. Capponi, Ashley K. Kim, Lora Menter:
“Landfill Management,” Client: N. C. Vasuki
Advisor: Dr. Iraj Zandi
2:00-2:30  BREAK

ELECTRICAL ENGINEERING

2:30-2:45  Yao Hua Ooi, Brian Chao:
“Virtual Reality Glove”

BIOENGINEERING

2:45-3:00  Zaishao Cheng & Chalothorn Vashirakovit:
"Two-Photon Microscope Fiber Extension System"
Advisor: Dr. Britton Chance

3:00-3:15  Ramez Haddadin:
"Mouse Sleep Apnea Oximeter"
Advisor: Dr. Allan Pack

BIOENGINEERING/ELECTRICAL ENGINEERING

3:15-3:30  Jeffrey Katrencik & Adam Mihalik:
"Sleep Apnea Detection System Using Neural Networks"
Advisor: Dr. Nabil Farhat

3:30-5:45  SENIOR RECEPTION & ANNOUNCEMENT OF WINNERS
Lobby, Levine Hall