Industrial Solutions Laboratory
Senior Design

SAVE THE DATE!
KICKOFF FOR FALL 2014 PROJECTS

Supporter/Project Team Breakfast
September 5, 2014
7:30 – 11:00 AM

Spring Expo – Our Biggest Ever
At the Spring Expo 71 completed projects were showcased. Awards were based on judging by industrial project supporters, project mentors, and selected faculty. In addition there were 31 posters for projects that have completed their first semester. More than 370 students participated in the Expo. The top three projects, chosen from 9 finalists by a panel of 12 independent judges are highlighted here.

1st Place Bill Heybruck Award
Integrated Living Assistant
The Integrated Living Assistant project was supported by NCIIA (National Collegiate Inventors and Innovators Alliance) and UNC Charlotte. The project features an innovative technology that allows remote and autonomous control over household devices, and monitors power consumption in real time by combining artificial intelligence with a progressive home automation system. The team was made up of seniors Joshua Cox, Justin Hinson, Peter O’Connor and Neil Taylor, and faculty mentors Nan Bousaba and Mehdi Miri.
2nd Place Award
Wave Energy Conversion

Supported by ENVENTYS, the wave energy conversion project consisted of design and construction of an ocean platform that uses wave energy to produce and store compressed air that drives a reverse osmosis unit for desalination of sea water. Team members were William Beaver, William Alexander, Brendon Almond, Ivan Gyupchanov, Christian Horn, Christopher Matthews and Donal Sonnet, with Dan Hoch as faculty mentor.

3rd Place Award
US Launch Initiative

The USLI (University Student Launch Initiative) was supported by NASA and UNC Charlotte. The team designed and constructed a re-useable dual deployment rocket capable of carrying a payload to an altitude of one mile. Team members were students Jerry Dahlberg, John Cappalletti, Daniel Deese, Dewey Greer, Benjamin Griffiths, Matthew Perry, Daniel Saulnier, Robert Stone and Caleb Watts, and mentor Karen Thorsett-Hill. This team also won the Best Rocket Design trophy at the national Student Launch Competition.
THANK YOU TO OUR INDUSTRIAL SUPPORTERS

A special thank you is extended to the following companies who supported senior design projects in fall 2013 and spring 2014. Without you, this program would not be possible.

AREVA
Ascot Technologies
BK Racing
Bosch Rexroth
CB&I
Charlotte Green Initiative (CGI)
Charlotte Research Institute
Concord Terrazzo
Daimler Trucks
Dixon Valve and Coupling
Doosan
Duke Energy
Electrolux
Enventys
Energy Production & Infrastructure Center (EPIC)
EPRI
Hayward
Hearing Solution Center
Highland Industries
Honeywell Scanning and Mobility
Husqvarna
Liberty Hardware
MacLean Power Systems
NASA
NCIIA
RFMD
RSC Chemical Solutions
Schaeffler Group
Siemens
SunTech Medical
The Light Factory
Troysgate
USAF Research Lab
Westinghouse

FALL 2014 SENIOR DESIGN

The deadline for submission of fall 2014 projects is July 1, 2014. The deadline is fast approaching so please submit project ideas to Terry Jordan (tdjordan@uncc.edu), Director for Industrial Solutions Laboratory in the Lee College of Engineering, as soon as possible. Details of project requirements are available at http://srdesign.uncc.edu/information-supporters.

2014 SCHEDULE OF EVENTS

Mark your calendars for the following key events in the upcoming school year.

- July 8 Deadline for fall 2014 project submissions
- September 5 Kickoff breakfast for fall 2014 industrial supporters, faculty project mentors, and student teams
- December 5 Fall Expo, Student Activity Center, OPEN TO PUBLIC at 11 a.m.
- January 16 Kickoff breakfast for spring 2015 industrial supporters, faculty project mentors, and student teams
- April 30 Spring Expo, Student Activity Center, OPEN TO PUBLIC at 11 a.m.

CONTACT US

For information or questions, visit www.srdesign.uncc.edu or contact Terry Jordan at 704-687-5029 or tdjordan@uncc.edu.

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