

Senior Design Newsletter

Vol. 6, No. 1, July 2012



UNC Charlotte Selected Again by AIRBUS

Airbus and the Carolinas Aviation Museum again selected UNC Charlotte to perform engineering work on the display stand for the USAIR 1549 (“The Miracle On the Hudson”) display. When the plane was placed on the stand designed by the prior student team, the tail section did not fit as expected. It seems that the fuselage bent a small amount during the “landing” that caused the tail to be higher than anticipated. Based on this new information, Airbus requested a student senior design team to take accurate measurements of the aircraft and design and analyze the changes necessary for proper fit to the display.

Tom Brown Named New ISL Director

After an extensive search, The UNC Charlotte Lee College of Engineering is excited to announce that Tom Brown has accepted the position Director of the Industrial Solutions Laboratory (ISL) as Bill Heybruck retires. Tom joins us after 28 years in connector manufacturing where his last role was with TE Connectivity as Sr. Director of North America Operations. We welcome Tom to the Senior Design team.



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Project Winners from Spring 2012

The winning projects were:

1st Place “Heybruck Award”, \$500 Bosch Electronics: Pedestrian Safety Alert System Team 2



2nd Place, \$300 UNC Charlotte ECE Department: Pipe-Traversing Robot



3rd Place, \$100 Baldor Electric: Motor Test Fixture with Variable Shaft Loads





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Project Openings Remain for Fall 2012

We still have some openings for projects for this fall. We will begin assignment on August 6, so please get your project submissions to the ISL Director (tbrow200@uncc.edu) as soon as possible. Details of project requirements are found on the website: <http://srdesign.uncc.edu/company-information.html>

2012-2013 Schedule of Events

Here is the schedule of events for the 2012-2013 academic year. Be sure to put the Expos on your calendar, as they promise to be the biggest yet!

- August 31: Fall Kickoff Breakfast for Invited Sponsors, Mentors and Students
- October 4-5, October 11-12: Prototype Review Presentations for spring 2012 projects
- October 25-26, November 1-2: Conceptual Design Review Presentations for fall 2012 projects
- December 7: FALL EXPO, Student Activity Center-Arena, 11am-2pm OPEN TO PUBLIC
- January 25: Spring Kickoff Breakfast for Invited Sponsors, Mentors and Students
- February 21-22, February 28-29: Prototype Review Presentations for fall 2012 projects
- March 15, 22: Conceptual Design Review Presentations for spring 2013 projects
- May 2: SPRING EXPO, Student Activity Center-Arena, 11am-2pm OPEN TO PUBLIC

If you would like to attend a Conceptual Design Review or Prototype Review, send an email or call Tom Brown (contact information below) so he can have a parking token or coupon ready when you arrive.

For more information or questions

Visit: www.srdesign.uncc.edu or contact Tom Brown at 704-687-2934 or tbrow200@uncc.edu.
Please REPLY with "REMOVE" if you do not want to receive future issues.