



SPRING 2011

COMPUTER SCIENCE AND ENGINEERING

SENIOR PROJECTS

UNIVERSITY OF NEVADA, RENO

The Computer Science and Engineering Senior Projects represent innovative software and hardware products developed during the year by undergraduate students under the supervision of Dr. Sergiu Dascalu (course instructor) and several other faculty and industry advisors. Project topics include: a GE-funded mobile application dashboard for displaying the operational status of large machines such as wind turbines, pumps, and generators; a Bally-sponsored self-healing system that actively monitors and repairs hardware and software anomalies that might arise in a network of casino devices; a drone-based system for tracking moving objects; a Segway-based robotic platform for dynamic obstacle avoidance and localization; a fitness goalball exergame for the visually impaired; and an RTS-type game in which university teams compete for gaining prestige by building their virtual campuses.

The Senior Projects Workshop is part of the Computer Science and Engineering Department's Open House event, which will also feature posters and demos of student research projects.

Additional details on the senior projects can be found at
<http://www.cse.unr.edu/~dascalus/sp2011.html>

You are cordially invited to attend this CSE Senior Projects Workshop on
Friday, April 29, 2011 from 9:30 am to 4:00 pm in REL 109 & REL 110