



## **ME 591 Graduate Seminar**

Department of Mechanical Engineering  
The University of New Mexico

**Bill Agnew**  
General Motors (ret.)

Friday, October 5, 2007 at 3:30 p.m. ME Bldg., Room 218

## **Computer Controlled Autonomous Robots The Intelligent Ground Vehicle Competition**

### Abstract

An annual competition is described in which college engineering students design and build computer controlled vehicles, golf-cart size or smaller, with no remote control, that compete following lanes on an obstacle course and seeking waypoints on a navigation course. The engineering requirements are described along with the technologies employed by the students.

Bill received his PhD in mechanical engineering from Purdue University. During 1944-46 in the army he worked on the Los Alamos atomic bomb project. He then spent 37 years working at the General Motors Research Laboratories. He retired in 1989 from a position as Director of Programs and Plans. Since retirement he has served on a number of committees and in report reviews for the National Academy of Engineering, of which he is a member. He has also been active in the Society of Automotive Engineers and many engineering and K-12 education roles. He has served on the Accreditation Board for Engineering and Technology, and has been on industrial advisory boards or consulted for seven different engineering schools. He recently moved to New Mexico from Michigan and lives in Corrales.

He has three sons, one a veterinary pathologist at Michigan State University, one an automotive engineer in Michigan, and one a rodeo bull rancher in Texas.