

## TRIANGLE TEAM'S DRIVERLESS VEHICLE IS FIRST IN NATION



Insight Racing's autonomous driverless vehicle is the first Grand Challenge team to successfully complete the Alpha Course at the Joint Unmanned Systems Test Experimentation and Research (JUSTER) Site at Virginia International Raceway. Insight Racing's autonomous vehicle conquered the 2.5 mile Alpha Course consisting of dirt roads, numerous winding turns, mud, and man made obstacles prior to any of the other entrants in the 107 team Grand Challenge field. The vehicle is run by computers without human intervention and must react to unanticipated obstacles and unforeseen conditions along the way.

The Triangle based Insight Racing team was formed to develop a completely autonomous vehicle to compete in the 150+ mile Grand challenge race for its \$2 Million prize. Insight Racing was one of only 25 teams out of hundreds of entries selected to compete in the first race, which was held in March 2004. The next grand Challenge race will be in the desert southwest in October 2005.

The Grand Challenge is sponsored by the Defense Advanced Research Projects Agency (**DARPA**) to accelerate the development of vehicles driven entirely by computer, without any human intervention. The anticipated resulting technology is needed to meet a congressional mandate to transform one-third of military vehicles to autonomous, driverless operation by 2015. DARPA plans to repeat the race approximately yearly, until winning technology is developed.



According to Grayson Randall founder of Insight Racing, "The U.S. Department of Defense Joint Robotics Program (JRP) provided us an excellent environment to test our autonomous vehicle. There were many challenging situations on the course which are important to successful navigation in a long distance race. We are proud to be the first team nationally to complete this challenge."

Sponsors: Ascot Technologies, Inc., BDMICRO, Crossbow Technology, Inc., Council & Son Repair Service, Gemini Automotive Care, NC State University, PC MedEvac, and SICK have provided valuable resources to help Insight Racing reach this important milestone.

**About Insight Racing:** The Insight Racing Team is part of Insight Technologies, Inc., a company formed to develop autonomous robotics solutions.

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