



3600 Green Court, Suite 600
Ann Arbor, MI 48105

TEL 734-327-8000
FAX 734-913-8537

WWW.SOARTECH.COM

Media Contact:

Andrew Dallas
SoarTech
734-327-8000 x214
adallas@soartech.com

FOR IMMEDIATE RELEASE

SoarTech celebrates Team Michigan's win at MAGIC 2010

Team Michigan came out on top at the inaugural Multi Autonomous Ground-robotic International Challenge (MAGIC 2010) with the help of SoarTech technology.

Ann Arbor, Michigan, December 1, 2010 – Teaming with the University of Michigan, SoarTech was recently awarded first place and \$750,000 at the first Multi Autonomous Ground-robotic International Challenge (MAGIC 2010). SoarTech's real-time 3D interface featuring SAGE (Situation, Actions, Goals, Environment) impressed the judges and helped Team Michigan take first place.

The nearly two year long, international competition was sponsored by the U.S. Department of Defense and Australia's Defense Science and Technology Organization. Participants were challenged to develop a team of autonomous ground robots capable of communicating and completing tasks while operating with minimal operator intervention. Team Michigan used 14 robots to effectively map areas of an urban environment while neutralizing observed threats. The robots coordinated their actions and passed information back to a ground station manned by two human operators.

Team Michigan's SAGE demonstrated the capability for numerous robots to be controlled by only two human operators. The SAGE interface's key feature is its ability to automatically detect and highlight events that are important to the user. Underneath the display is event detection logic that autonomously detects events of interest for an operator, such as a civilian close to a dangerous object or a robot about to execute neutralization. SAGE prioritizes and tracks each of these events, reducing clutter by combining events that are related. For high priority events SAGE automatically creates a 3D first-person view of the event to provide critical spatial and status context to the operator.

Competition judges found the SAGE interface to be an important component in helping the operators as they managed multiple autonomous robots performing tasks in a dynamic environment.

Team Michigan was one of five finalists selected out of an initial 23 to compete in the final stage of MAGIC 2010 in Adelaide, Australia, November 7-12.

About SoarTech

By combining artificial intelligence with cognitive and social psychology SoarTech builds intelligent systems for defense, government and commercial applications that bring human-level intelligence and decision making to robotic systems. Their goal is to enhance human operations and abilities by creating thinking partners, working to make humans more prepared, more informed and more capable.

To learn more about SAGE and SoarTech, visit www.soartech.com.

###