

## **FOR IMMEDIATE RELEASE**

Product Contact:  
Jack Lam  
Sr. Product Marketing Manager  
American Portwell Technology, Inc.  
510-403-3315  
jack@portwell.com

Media Contact:  
Susan Wei  
Marketing Executive  
American Portwell Technology, Inc.  
510-403-3354  
susanw@portwell.com

### **PORTWELL SPONSORS CORNELL UNIVERSITY AUTONOMOUS UNDERWATER VEHICLE (CUAUV) TEAM *WADE-8067 Mini-ITX Embedded Board helps Cornell win RoboSub Competition for second straight year***

**FREMONT, CALIF.**—August 17, 2010— The Cornell University Autonomous Underwater Vehicle (CUAUV) team took top honors in the 2010 RoboSub competition using a robotic submarine powered by American Portwell Technology's (<http://www.portwell.com>) WADE-8067 Mini-ITX embedded board. American Portwell Technology is a wholly owned subsidiary of Portwell, Inc., a world-leading innovator in the embedded computing market and a member of the Intel® Embedded Alliance.

The Cornell team builds robotic submarines for both competition and research purposes. They approached American Portwell for sponsorship when they were considering an Intel® Core™ processor to power their AUV because they knew their on-board computer would be subject to severe size constraints and were restricted to a Mini-ITX form factor or smaller. Jack Lam, American Portwell's senior product marketing manager, recommended the WADE-8067 Mini-ITX form factor embedded board, a combination that utilizes the Intel Core 2 processor most effectively. "We made this choice because the WADE-8067 is a low-power Mini-ITX embedded board with an Intel Core 2 Extreme quad core processor that provides Cornell with the necessary computing power for all missions, machine vision and control processing tasks. We are pleased that our sponsorship helped the Cornell AUV team win the competition for the second straight year."

#### **Cornell's "Tachyon" beats out the competition**

The Association for Unmanned Vehicle Systems International (AUVSI) Foundation organizes the RoboSub competition and Cornell's Tachyon AUV beat out 23 other teams from five countries to take first place at the 13<sup>th</sup> annual competition held from July 13-18, 2010 in San Diego, California. The competition required the autonomous submarine to hit a targeted buoy, send torpedoes into specific windows and drop markers in bins. "The additional processing power provided by the Portwell WADE-8067 board and Intel Core 2 Extreme CPU was a crucial part of our success," says JB Rajskey, Cornell University AUV team. "Portwell's board functioned perfectly as expected and enabled us to

complete the visual elements of the competition approximately 25 percent faster than last year—that's seven minutes instead of 10 minutes," he confirms.

### **Course designed to be ultra challenging**

According to Daryl Davidson, AUVSI Foundation's executive director, the course elements are designed so that at least one or two of the obstacles prove too challenging for most teams. "However, we are pleased to say that Cornell has now proven us wrong twice," he explains. "Cornell and a number of other teams have made significant leaps in the performance of their subs due to planning, hard work and most importantly, tremendous advances in on-board computers and circuit boards that enable the extraordinary behaviors we see from these subs."

More information about the Cornell University AUV team can be found at:  
<http://www.news.cornell.edu/stories/July10/CUAUVwin.html> and <http://www.cuauv.org/>.

Further information about the AUVSI Foundation can be found at:  
<http://www.auvsifoundation.org/>.

Detailed information on the RoboSub Competition can be found at:  
<http://www.RoboSub.org/>.

### **About American Portwell Technology**

American Portwell Technology, Inc., is a world-leading innovator in the embedded computing market and a member of the Intel® Embedded Alliance. American Portwell Technology designs, manufactures and markets a complete range of PICMG computer boards, embedded computer boards and systems, and rackmount systems for both OEMs and ODMs. American Portwell is both an ISO 9001:2000 and ISO 13485:2003 certified company. The company is located in Fremont, California. For more information about American Portwell's extensive turnkey and private-label branding solutions, call 1-877-APT-8899, email [info@portwell.com](mailto:info@portwell.com) or visit us at <http://www.portwell.com>.

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