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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
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 13th 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 Rajsky, 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.”


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 or visit us at http://www.portwell.com.

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