



6th Annual AUVSI Student UAS Competition

In partnership with



The Association for Unmanned Vehicle Systems International (AUVSI) continues the Student UAS Competition aimed at stimulating and fostering interest in unmanned systems, technologies and careers. The focus will be on engaging students in a challenging mission, requiring the design, fabrication and demonstration of a system capable of completing a specific autonomous aerial operation.

Student teams will be judged based on their system design and performance, and top teams will earn a share of at least \$20,000 in prize money (in 2007 we awarded \$34,500 in prize money). Opportunities for interaction with top UAS designers, engineers, scientists and leadership will be provided.

Preparations for this competition are being coordinated by the AUVSI Seafarer Chapter and will culminate June 18 to 22, 2008 at the United States Navy's Webster Field, site of an operational UAS Squadron and nestled in the heart of scenic St. Mary's County, Maryland – an emerging technology corridor on the Chesapeake Bay and a center of excellence for UAS development and test.

Additional events and interactions are being planned, including a tour of the Naval Air Warfare Center Aircraft Division's state-of-the-art RDT&E facilities, recruiting opportunities, and an awards ceremony.

Universities, Student Groups --

please reserve your interest in the 2008 competition now by contacting the Competition Director, Joe Brannan, 301 757 8594 or 240 538 1064 , Joe.Brannan@navy.mil, or Jim Curry at 301 866 1955, james.curry@bowheadsupport.com.

Industry and Government Organizations -- be recognized with an exciting, high-tech, high-talent and fun event. Please contact Dennis Bostich at 301 757 5032, or dennis.bostich@navy.mil, for further information regarding sponsorship and partnership opportunities.

*For more information on AUVSI, visit:
www.auvsi.org or www.auvsi-seafarer.org.*



June 18 to 22, 2008

Webster Field, St. Inigoes, Maryland, USA



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Qualifications and Rules

An outline of anticipated competition qualifications and rules are provided herein for advanced general information only. Detailed rules, regulations and applications are available on the Seafarer website, www.auvsi-seafarer.org.

Qualifications: This competition is geared primarily to undergraduate students with academic experience in aerospace, electrical, computer and/or mechanical engineering curricula. It is open to bona-fide high school and undergraduate college/university students. Teams of up to 10 students are permitted

Application: In order to register for this competition, student teams will complete an application, available over our website. A \$500 fee will be required with the registration form. Refunds will be made for rejected applications only.

The Competition: The competition will consist of a point scoring strategy, with points being assigned for a written technical proposal, airworthiness of vehicle, total system performance on the competition course, system innovation and oral briefing. Judges will score each event, and student teams will be ranked according to total score.

The Mission: The mission will focus on *autonomous behavior* of an air vehicle and payload(s). Required features will include: waypoint navigation; ground target location, identification, and feature recognition; and safety. An instrumented course will be provided for scoring purposes, and an element of timeliness will be injected.

Judges: An independent team of judges will include individuals with experience, education, and recognition in the UAS field.

Awards: Top scoring teams will vie for at least \$20,000 in prizes. Additional cash awards might be possible. Awards and checks will be presented at an Awards Banquet on Saturday evening, June 21, 2008 if all flight competition is completed on June 21st.

Questions? Contact Technical Lead Mark Pilling at 301-863-5895 x5280, mark_pilling@emainc.com.