NATIONAL SCIENCE FOUNDATION (NSF)  
RESEARCH EXPERIENCES FOR UNDERGRADUATES (REU) SITE 

**Cyber-enabled Systems for Undergraduate Research and Education: Cyber Aquatic Systems (CAS)**

Transformative cyber-aquatic technologies will enable us to densely deploy static and mobile systems in an underwater environment, significantly enhancing the spatial and temporal dimensions of our monitoring and exploration capabilities. These technologies bridging the cyber and aquatic worlds will transform the ways in observing and understanding the sparsely sampled oceans, estuaries, lakes and rivers.

The Underwater Sensor Network Lab at the University of Connecticut recently launched an initiative on Cyber-Aquatic Systems (CAS). The vision of CAS is to create transformative technologies to realize the true ubiquity and high confidence for the observation and exploration systems in the water world. The research thrusts include i) communications and networking, ii) power harvesting, iii) sensing, iv) platform, and v) cyber control.

**Dates:** May 27 – August 1, 2014 (10 weeks)

**Highlights**
Ten-week summer undergraduate research program  
$5,000 stipends and $600 travel allowance  
Housing and meals provided  
Field trips and social activities  
Research opportunities in emerging underwater applications in science and engineering  
Experienced faculty mentors with cutting edge research projects

**Eligibility**
United States citizens or permanent residents  
A STEM (Science, Technology, Engineering, and Mathematics) major  
Completing at least sophomore year of study;  
(Still an undergraduate student in Fall 2014.)  
GPA 3.0 or above

**Host Institution:**  University of Connecticut, Storrs. CT

For more information, visit online: http://uwsn.engr.uconn.edu/REU/REU.htm or contact  
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