

Last Revised: November 30, 2005

FINAL

**2nd NUWC-URI Undersea Technology Workshop
System Concepts for Coastal Ocean Monitoring**

**Coastal Institute Auditorium
Coastal Institute Building
Narragansett Bay Campus
University of Rhode Island
Narragansett, RI**

November 30, 2005

Workshop Goals:

- To review specific opportunities for URI and NUWC scientists and engineers to perform collaborative research and development in selected areas in coastal ocean monitoring systems.
- To develop pre-proposal/white paper outlines and associated team of investigators to pursue selected research opportunities.

Agenda

0830 - 0845	<i>Coffee Break</i>
0845 – 0900	<i>Welcome and Overview of Workshop Goals and Procedures, Plenary Session (Coastal Institute Building Auditorium)</i> Malcolm L. Spaulding, Ocean Engineering, URI John Muench, NUWC
0900 – 1000	<i>NUWC Presentations of Opportunities for Collaborative Research, Plenary Session (CIB Aud.)</i> 1) Distributed Networked Systems (DNS) Modeling and Simulation - Bruce Sandman (M. L. Spaulding)* 2) DNS - Sensors, Signal Processing, Communications, Energy - Pierre Corriveau (A. Hanson)

- 3) Networking and Information Management - Pat Kelley (V. Faye-Wolfe)
- 4) Homeland Security - Vic Ricci (J. Miller/H. Vincent)

* The first name is the NUWC co-leader for this subject area and the name in parentheses is the tentative URI co-leader.

1000 – 1015 ***Coffee Break (CIB Aud.)***

1020– 1140 ***Collaborative Opportunity Teams, Breakout Sessions*** (breakout rooms as noted)

- 1) DNS Modeling and Simulation – CIB Small Conference Room
- 2) DNS - Sensors, Signal Processing, Communications, Energy – Challenger Room
- 3) Networking and Information Management – Watkins 12
- 4) Homeland Security – Watkins 14

1145 –1215 ***Summary of Progress of Collaborative Opportunity Teams, Plenary Session (CIB Aud.)***

1215 – 1315 ***Lunch (provided), (CIB Aud.)***

1315 – 1540 ***Collaborative Opportunity Teams, Breakout Sessions*** (breakout rooms as noted)

1545 – 1645 ***Presentation of Pre-proposal ideas by Opportunity Teams, Plenary Session (CIB Aud.)***

See <http://www.gso.uri.edu/aboutGSO/campusmap.html> for building location (#6)

Workshop Strategy

The goal of this 2nd NUWC and URI workshop is (1) to identify specific opportunities for developing collaborative research in coastal ocean monitoring and measurement systems, (2) to establish working groups or teams to pursue the research opportunity, and (3) to develop outlines (2-3 pgs) for white papers or pre-proposals that can be used to submit to and obtain feedback from a potential funding source.

The workshop will begin with an overview of the goals and the approach that will be used to accomplish the objectives presented by Drs. Spaulding (URI) and Muench

(NUWC). This will be followed by presentations of five opportunity areas that have been identified by NUWC engineers/scientists. These areas have well defined potential funding sources, that meet an important navy need, and that would benefit from joint participation by URI and NUWC team. At the conclusion of this plenary session, the five opportunity teams will meet in individual breakout sessions. These sessions will be co- led by URI and NUWC scientists/engineers. NUWC and URI scientists/engineers will self select which breakout session to attend based on their interest and ability to contribute to the topic area. Late in the morning the meeting participants will reconvene in plenary session and the individual opportunity teams will report on their progress. Lunch will follow. After lunch, the individual opportunity teams will meet again in breakout sessions. At the conclusion of the individual breakout session, each opportunity team will develop a pre-proposal or white paper outline. These should be approximately 5-7 ppt slides in length and should include the following: succinct summary of **opportunity**, how this effort addresses important **navy need**, the **goals** of the proposed proposal, broad level summary of **tasks/project plan**, list of **key participants**, and approximate **schedule and cost**. The meeting participants will reconvene in plenary session and each opportunity team will present a summary of their pre-proposal ideas. (Team leader will need to bring a laptop to prepared Power Point slides. They also need to bring a memory stick to allow transfer to a laptop, which will be placed in the Coastal Institute Auditorium for presentations during the plenary session)

At the conclusion of the meeting the participants should have collectively identified five proposal opportunities that can be pursued with potential funding sources. It is assumed that these individual teams will continue to work cooperatively to pursue the opportunities as a follow on to the workshop.