



WUWNET06



CALL FOR PAPERS The First ACM International Workshop on Underwater Networks

in conjunction with ACM MobiCom 2006
September 25, 2006, Los Angeles, California, USA

sponsored by [ACM SIGMOBILE](#)

Technical Co-Sponsorship:

[IEEE Oceanographic Engineering Society](#)

<http://wuwnet.engr.uconn.edu>

Important Dates:

Submission deadline: **June 30, 2006**
Acceptance notification: **July 28, 2006**
Camera-ready: **August 11, 2006**
Workshop date: **September 25, 2006**

General Co-chairs:

Jun-Hong Cui *Univ. of Connecticut*
Urbashi Mitra *USC*

Technical Program Co-chairs:

Kevin Fall *Intel Research, Berkeley*
Milica Stojanovic *MIT/WHOI*

Technical Program Committee:

Ian Akyildiz *Georgia Tech*
Lee Freitag *WHOI*
Mario Gerla *UCLA*
Joao Gomes *New University of Lisbon*
John Heidemann *USC/ISI*
Ronald Iltis *UCSB*
Jim Kurose *U Mass Amherst*
Mehul Motani *Nat'l Univ. of Singapore*
Joseph Rice *Naval Postgraduate School*
Daniela Rus *MIT*
Mani Srivastava *UCLA*
Yongguang Zhang *Microsoft Research*
Michele Zorzi *Universita' di Ferrara*

Publicity Co-chairs:

Volkan Rodoplu *UCSB*
Wei Ye *USC/ISI*

Treasurer:

Shengli Zhou *Univ. of Connecticut*

Publications Chair:

Xiuzhen Susan Cheng *GWU*

Overview

The goal of the proposed workshop is to bring together researchers and practitioners in areas relevant to underwater networks. Thus, many layers of the "stack" from the physical layer to the application layer will be represented. The objective is to serve as a forum for presenting state-of-the-art research, exchanging ideas and experiences, and facilitating interaction and collaboration. The workshop will span one day, including presentations of technical papers, tutorial papers, a panel session and a poster/demo session. Submissions for regular technical papers and poster/demo extended abstracts should describe original research, not published or currently under review for other workshops, conferences, or journals.

Topics of interest include, but are not limited to:

- Network architecture design
- Efficient acoustic communications
- Cooperative underwater communications
- Medium access control
- Routing and forwarding
- Reliable data transfer
- Security and robustness
- Power management
- Resource allocation
- Data storage and management
- Localization and synchronization
- Data fusion, dissemination, tracking
- Network modeling and simulations
- Capacity analysis
- New techniques for aquatic applications
- New applications for underwater networks

Submission Guidelines

All paper submissions will be handled electronically. Papers must be in PDF format, no longer than 8 pages for regular papers (10 pages for tutorial papers and 4 pages for poster/demo papers), and must follow ACM single-space, 10 point, double-column format. Submitted papers will be judged based on their quality and novelty through a rigorous review process. Over-length papers will be automatically rejected. Detailed instructions for paper submission are posted on the workshop website.