

# TECHNOLOGY AND THE MINE PROBLEM

## SYMPOSIUM

NAVAL POSTGRADUATE SCHOOL  
MONTEREY, CALIFORNIA  
MAY 17-20, 2010

The Naval Postgraduate School, the Office of Naval Research, and the Program Executive Officer, Littoral and Mine Warfare, are pleased to announce the Ninth International Symposium on Technology and the Mine Problem at the Naval Postgraduate School, Monterey, California, May 17-20, 2010.

*This preliminary announcement constitutes a call for scientific papers.*  
*Of particular interest are papers on relevant research in technology applications relating to mines and mine countermeasures.*

Historically, the focus of this symposium series has been emerging technologies with potential applications to naval/land mine measures and countermeasures. The symposium is unclassified and foreign participation is expected and welcomed. Themes of the conference will address technologies related to mine detection (including change detection in channel or port areas), localization, and neutralization, for applications in mine warfare relating to both port security at home and assured access abroad. Special emphasis will be placed on technologies relating to the use of unmanned systems role in the mine problem. While UUV's missions in Mine Countermeasures (MCM) were second in priority (out of nine broad mission sets) in the Navy's 2004 UUV Master Plan, a 2009 RAND National Defense Research Institute study (A Survey of Missions for Unmanned Undersea Vehicles) sponsored by the U. S. Navy found that the best match between warfighter needs and UUV capabilities is in the MCM mission.

Areas of particular technological interest for unmanned systems include:

- a. Propulsion energy
- b. Launch and Recovery
- c. Autonomy and communications
- d. Sensors
- e. Navigation, guidance, and control.

Future capabilities and novel ideas that address the topic area of mining and countermine warfare are very welcome at this symposium, as are recommendations for other technological subjects. This is a refereed symposium.

Extended abstracts, 850-1000 words, are due on or before January 29, 2010. Final papers must be submitted during the meeting to be included in the CD Proceedings. The POC e-mail is [carol@dmccompanies.com](mailto:carol@dmccompanies.com). The abstract and paper submission form with instructions follows.

# ABSTRACT/PAPER SUBMISSION FORM

## ABSTRACT SUBMISSION

***MUST*** be received by 1/29/10 to be included in the preliminary agenda.

***SCAN*** this Submission Form and include with your abstract. Abstracts without this form will be returned and deleted.

### *Corresponding Author*

Name: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

### *Presenting Author*

Name: \_\_\_\_\_

Institution: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

***SEND*** abstract with completed form to:  
<symposium9@DMCcompanies.com>.

***Subject line:*** Last name, first name

***Submitting more than 1 paper?***  
Add submission number after the name  
(i.e. Jones, Harry 1; Jones, Harry 2)

## PAPER SUBMISSION

***BRING*** a CD and hard copy of your complete paper to the meeting and turn it in at the registration desk.

Power Point presentations will not be published in the CD Proceedings.

Submit both a camera ready and computer file of your paper including the criteria below.

**Platform:**  Mac  Windows

**Media:** CD

**Format:** MS Word & PDF

**Figures:** JPG

**Note:** ALL FILES MUST BE DISINFECTED FOR COMPUTER VIRUSES.

### QUESTIONS?

Contact The DMC Companies  
831-373-0508  
<carol@DMCcompanies.com>

# INSTRUCTIONS

## **ABSTRACT FORMAT**

- MUST be received by 1/29/10 to be included in the preliminary agenda.
- Must be in English
- Extended abstracts (3 pages including figures) will be reviewed for possible plenary addresses.

### ***Text and Page Format***

- 8.5" x 11" paper size
- MS Word
- 1.5" margins on all sides
- Single column
- Single spaced, left aligned
- 12 point type, Times New Roman font
- Page numbering, headers and footer are not allowed
- Title and author in upper and lower case (not all caps)
- Title in 18 point type, centered (not all caps)
- Author's name and institution following title
- Author's name and institution in 14 point type, centered (not all caps)

**Note:** Please also provide a PDF of your paper.

## **PAPER FORMAT**

MUST be received by/during the 9th Symposium (May 17-20) in advance of your presentation to be included in CD Proceedings.

- Must be in English
- Papers to be 10 pages or less including figure
- Text & Page Format: see above (same as Abstract Format)

### ***Figures, Graphs and Photos***

- JPG file format
- Include copies of image files saved as one of the file formats from above from within the native application.
- Label files with author's name and figure number.
- Make sure the media is appropriately marked and includes the corresponding author's name.

### ***Important***

Some authors prefer to submit a separate document for the CD in Acrobat (.pdf) format. When distilling a file to Acrobat (.pdf), please choose the "embed all fonts" feature.

When using a font for scientific characters other than Microsoft Math Type, please include a Macintosh PostScript version of the font. If that is not possible, please provide as much information about the font as possible such as the name, type, foundry and point of distribution.