

UNITED STATES  
**COAST GUARD**  
ACADEMY

**ENGINEERING CHALLENGE FOR THE 21<sup>ST</sup> CENTURY:  
2009 SUMMER TEACHERS' WORKSHOP**

The *United States Coast Guard Academy* in collaboration with the *Regional Center for Next Generation Manufacturing* would like to offer you the opportunity to attend the Engineering Challenge for the 21<sup>st</sup> Century, July 12- 17<sup>th</sup>, 2009 at the U.S. Coast Guard Academy in New London, CT. The program will start with a reception and dinner on Sunday evening, July 12, 2009.

**THE PROGRAM**

Participate in the weeklong residential program designed to help you help your students develop the necessary skills to become qualified and productive engineers and technicians in the 21<sup>st</sup> century. The Engineering Challenge will educate you on how to teach:



- Problem Based Learning Robotic Projects centered on U.S. Coast Guard Life Saving Missions
- Development of effective teams
- Professional Skills including Technical Writing
- Interpersonal Skills (including understanding behavior diversity using DISC Profiles)
- Personal Accountability
- Observe 200 high school students participating in problem based teamwork

In addition to the traditional classroom setting, you will work in teams led by U.S. Coast Guard faculty, RCNGM college faculty and project management professionals.

**TEAM BASED IMMERSION LEARNING EXPERIENCES INCLUDE:**

- A Coast Guard Harbor Tug Vessel
- State of the art ship simulator
- Operational Coast Cutter

**REGISTRATION AND GENERAL INFORMATION (PLEASE SEE FOR MORE INFO)**

Please submit the enclosed application by April 15, 2009 to be considered for the program. Participants will also receive the following:

- Reimbursement for airfare (to a max of \$450.00) or mileage (to a max of \$200.00) or train fare
- Room Accommodations in historic downtown New London near the U.S. Coast Guard Academy
- VIP Dinner Reception at Superintendent's Quarters
- Breakfast, lunch and dinner provided
- Program stipend of \$250.00
- Manuals and related technical materials
- 3.2 CEU credits
- Stipend of \$250.00 for the implementation of the materials at your home institution in Fall, 2009



**For additional information, please contact:  
Paola Jaramillo**

**P: (860) 244-7763**

**F: (860) 244-7883**

**E-mail: [PJaramillo@snet.net](mailto:PJaramillo@snet.net)**

**Please visit: [www.nextgenmfg.org](http://www.nextgenmfg.org)**