



**ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE**

PB Environmental and Water Resource Student Design Competition

to be held in conjunction with

2011 EWRI World Water and Environmental Congress
May 22-26, 2011 • Palm Springs, California

Sponsored by:

PB Americas

and

**Environmental and Water Resource Institute (EWRI) of the
American Society of Civil Engineers (ASCE)**

Purpose: To encourage water and environmental resource design experiences for undergraduate Civil and Environmental Engineering students; to expose premier students to industry leaders, and to introduce students to the EWRI within the American Society of Civil Engineers.

Background: Currently all university civil and/or environmental engineering programs are required to incorporate an undergraduate team design experience. The mechanism used to implement these requirements varies from school to school, but in most cases the students produce at least one design project and an oral presentation. This competition draws on this product.

Description: Up to four finalist student teams will be selected to compete at the national Conference. Each finalist student team will orally present their project to a panel of industry

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judges during a special session at the conference. Each team will receive up to \$1,000 for travel reimbursements, and a year's membership in EWRI. Plaques will be awarded to each team member and the advisor, and the members of the top team will win a subscription to one of the EWRI Journals for one year. Note: One slot will be reserved for a local team, to be reimbursed at a reduced rate. The committee reserves the right to add a fifth team.

Eligibility: Any undergraduate Civil and/or Environmental Engineering student team design project. Some aspect of environmental and water resource design or research should be included within the project.

Competition: The student teams selected will present their project during one of the conference sessions at the 2011 ASCE/EWRI World Water and Environmental Congress in Palm Springs, California on May 22-26, 2011. The teams will compete before a panel of university and industry judges.

Entry Information: To enter, send a four page project description and include the Faculty Advisor's recommendation to Dr. Bijay Panigrahi by **March 1, 2011** at the address given below. To protect the environment and save the mailing cost, please send the entry to the email address given below (MS Word or PDF file preferred).

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Project Description Specifics:

- Cover Page - Include project title, student and faculty team sponsor, school name, address, email and telephone numbers.

- Main Body (four page maximum):

- Executive Summary

- Problem Statement/Introduction

- Background

- Methods/Procedures

- Results/Conclusions (if available)

- Faculty Sponsor Recommendation - This recommendation must include the following:

- Provide his/her recommendation on the quality of the overall project, and the team's performance.

- To affirm that the team is committed to attend the conference, and has the necessary financial support.

Note: Up to \$1000 of travel expenses will be reimbursed for each team, but this will not occur until after the conference.

Final Selection: The PB Student Design Competition Committee will select the three finalists. Finalist will be announced by **March 15, 2011**.