

# News

respectively. Note that although more than one department from a given school can enter, only one prize will be awarded to any one school.

In addition, each winning team (limited to no more than five students) will be invited to the ACI Spring 2010 Convention in Chicago, IL. Attending teams will be invited to present their solutions at the Construction Liaison Committee meeting on March 21, 2010, where their school will receive an additional \$500 to be used to cover travel expenses. Winning teams will also be recognized at the Student Lunch on March 22, 2010.

Preregistration opens on January 11, 2010. All e-mail correspondence should be directed to the ACI contact, Luke Snell, at luke.snell@asu.edu. The following information is required: 1) university/school and department names; 2) Project Manager's name and e-mail address (this will be the only team member contacted); 3) names of each team member; and 4) name of the Faculty Advisor with e-mail address and telephone number. The Faculty Advisor will be responsible for confirming that the student(s) are undergraduate students at the time of this competition.

On February 17, 2010, a project statement will be e-mailed to the Project Manager for each preregistered team. This project can comprise anything that a Project Manager or Field Engineer may face on a concrete construction project. A team can include one to five students. A student can be a member of only one team. A university and its departments may register more than three teams, but the department is responsible for selecting no more than three teams to submit as its official entries. Based on the order of receipt of the teams' preregistration forms, judging will be limited to 50 official entries.

The answer must be submitted as a PDF attachment and shall have no identification of the students, the school, or the school's location. The answer must have the identification number that is randomly assigned at the time the team is registered.

On February 26, 2010, the team's Project Manager must e-mail the team's answer to the ACI contact. The answer must meet the requirements for form and content designated on the project statement.

Responses will be judged on the basis of clarity (presentation is concise and easily understood), technical quality (solution is relevant to the project and readily implemented at the job site), and economy (throwing money at a problem is not a solution). The judges will be appointed by the ACI Construction Liaison Committee; their decision will be final.

## INNOVATIVE CEMENT USE REWARDED

The Climate Trust has committed \$1.85 million in



From left, John Glumb, ACI Managing Director, Technology, Publishing, & Events; William Tolley, ACI Executive Vice President; Abdul-Rahim Sabouni, ACI UAE Chapter President; John Conn, ACI Manager, Certification Operations & Chapters; John Nehasil, ACI Managing Director, Certification & Chapters

## MEETING WITH ACI UAE CHAPTER PRESIDENT

Abdul-Rahim Sabouni, Vice Chancellor and CEO of Alhosn University and President of the ACI United Arab Emirates (UAE) Chapter, met with ACI staff to discuss details of the November 2009 UAE Chapter elections. The objective of this meeting was to assist the chapter in its revitalization efforts.

Under Sabouni's leadership, the UAE Chapter has established a solid foundation. From this election, four new Board members will be elected for a 3-year term. The four new Board members will join two existing board members (whose terms will expire next year). This new Board's primary objective will be to develop bylaws to help guide the chapter's future operation, administration, and growth.

During this meeting, Sabouni and ACI staff also discussed the creation of a new Alhosn University Student Chapter as a way to keep students engaged in the field of concrete.

offset funds to build on the success of Cool Climate Concrete (C<sup>3</sup>), a program that provides incentives for concrete producers to substitute supplementary cementitious materials (SCMs) for portland cement used in concrete construction projects. The Climate Trust, a nonprofit offset provider based in Portland, OR, first committed funds to C<sup>3</sup> in 2004. Recently, Phase 1 of the program was completed, retiring nearly 250,000 metric tons of offsets. The program's success has prompted The Climate Trust to commit additional offset funds to West Main Consultants, LLC, to continue the program. Phase I participants included Aggregate Industries Inc., Rockville, MD; Conewago, Hanover, PA; The Lane Construction Company, Cheshire, CT; and Stone Concrete, Connellsville, PA.

The C<sup>3</sup> program encourages participants to continually reduce portland cement use in exchange for offset incentive payments. Eligible participants are ready

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mixed concrete manufacturers and concrete products manufacturers who purchase portland cement and SCMs from suppliers and blend their own cement during concrete production. Under the program, when a participant reduces portland cement use in concrete production by substituting SCMs beyond their established baselines, CO<sub>2</sub> emissions are avoided and offsets are generated. Carbon offsets enable individuals and businesses to reduce the CO<sub>2</sub> emissions they are responsible for by offsetting their emissions in another place. Offsets typically include renewable energy, energy efficiency, and reforestation projects; so substituting SCMs for portland cement is an innovative offset program.

After participants enroll in C<sup>3</sup>, quarterly baseline cement-to-concrete ratios are established using data from the past 3 years on cement usage, SCM usage, and concrete manufactured. Baselines are updated annually and participants must continually reduce portland cement usage to continue generating offsets.

“West Main Consultants is very excited to launch its second phase of Cool Climate Concrete, continuing our efforts to reduce greenhouse gas emissions by advancing the use of blended cement in the concrete industry,” said Cris Argeles, Vice President of West Main Consultants, a sustainable materials firm that specializes in innovative environmental programs relating to materials technologies based in Kutztown, PA. “We streamlined the program and hope to achieve more emission reductions than achieved in the first phase in less time.”

“We look forward to capitalizing on the success of the Cool Climate Concrete Program,” Clark said. “We believe that by continuing to educate the industry about this innovative

green material and by providing financial incentives to use it, we are helping the building industry become more economically and

environmentally sustainable.”

For more information, visit [www.climatetrust.org](http://www.climatetrust.org) and [www.coolclimateconcrete.com](http://www.coolclimateconcrete.com).



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