

ASCE[®] Newsletter

American Society of Civil Engineers

October 2008

Wisconsin Section Southwest Branch (<http://branches.asce.org/southwest>)

Thursday, October 16, 2008

Joint Meeting with



UW-Madison ASCE Student Chapter

Port of Ehoala, Fort Dauphin, Madagascar

Rio Tinto Iron & Titanium

Presentation by

Mr. Mathew Clark, Baird & Associates

Baird has been assisting Rio Tinto Iron & Titanium since 1990 in the development of a port to export mineral sands using bulk carrier ships. Other users of the port will include general cargo ships, fuel vessels, container ships, cruise lines and local coasters. Estimated construction costs for this facility are in the order of \$100 million.

Services Provided

Baird & Associates has undertaken a comprehensive assessment of the wave climate of the southern Indian Ocean and assessed potential port sites. With the environmental conditions defined, alternative breakwater designs were developed to create a new harbor that is critical to the success of the project.

Design development involved hydrographic surveys and subsurface assessments, installation of wave gauges and evaluation of quarry sites. Baird is also responsible for final design, production of bidding documents, and on-site construction observation for the entire port.

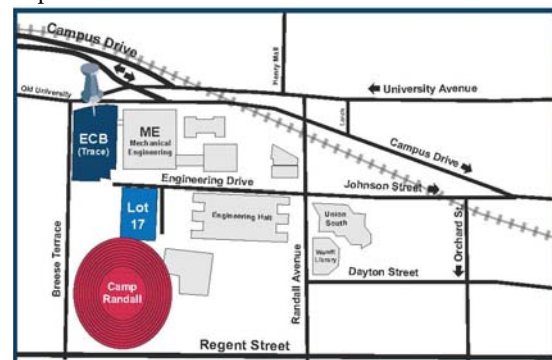
Relevant Project Features

- Dredging of navigation channel and berth area (700,000 m³);
- Land reclamation (9 hectares);
- Quay wall (275 m);
- Berm breakwater (600 m);
- Rubblemound groyne (200 m);
- Quarrying and road building using 4 million tonnes of stone;
- Piling for shiploader foundation (150 m);
- Navigation channel layout and marking; and
- Physical and numerical modeling of wave propagation, ship motions and breakwater stability.

Location: 1610 Engineering Hall
1415 Engineering Drive
Madison, WI 53706

Time: 6:00 pm Social at 1610 Engineering Hall.
6:15 pm Dinner and presentation.
7:00 pm Scholarship awards to UW-Madison Civil Engineering Students

Parking – Lot 17 near Engineering Hall: From 4:30 PM - 7 AM, the meters are free and the lot is open to the public.



Cost: \$12 per person (\$6 UW-Madison students/UW-Platteville Students free) for the dinner, which includes a chicken dinner provided by Kipp's Down Home Cookin'.

Please **RSVP** by 3:30 PM, Monday, **October 13, 2008** to Eric Fink at efink@erdman.com (preferred) or 608-410-8109

NOTE: If a walk-in guest does not purchase your meal, you will be invoiced. Send a substitute guest if you have a last minute conflict.

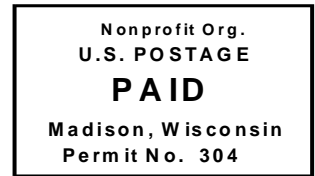
2008-2009 ASCE Meeting Schedule

Oct. 16 2008	Joint Meeting with UW-Madison Student Chapter – Mathew Clark Presentation
Nov 20 2008	Joint Meeting with UW-Platteville Student Chapter
Dec 17 2008	Lunch Meeting
Jan 21 2009	Lunch Meeting
Feb 19 2008	Joint Meeting with WSPE

WI SECTION AMERICAN SOCIETY OF CIVIL
ENGINEERS



c/o Richard Schneider, P. E.
Wisconsin Section - ASCE
Madison Area Technical College
3550 Anderson St
Madison, WI 53704



Mark your calendars for the October
SW Branch ASCE Meeting:
6:00 p.m. Wednesday Oct. 16
Sign up NOW - RSVP date is Oct. 13!

President's Message

Welcome to another exciting year of ASCE activities! The Wisconsin Section traditionally starts the year with The ASCE Wisconsin Section Annual Meeting, which was held in Oshkosh on September 26. There were several excellent presentations, including two related to Hurricane Katrina and the redesign of the New Orleans Hurricane Protection System. The Fox River Valley Branch did a great job organizing the Annual Meeting. The SW Branch was well represented at the meeting, as usual. The ASCE Wisconsin Section Spring Technical Conference is scheduled for March 26, 2009 and our branch is responsible for organizing that conference.

We start out our Branch meetings with the traditional scholarship joint meetings with the UW-Madison Student Chapter in October and with the UW-Platteville Student Chapter in November. The Civil Engineering students of today are our Civil Engineers of tomorrow. Please attend these meetings and support and network with the students – you just might find a diamond in the rough. We are also starting a drive to increase the number and the amount of the scholarships we award to both ASCE students and the Engineers Without Borders organizations.

We had a great year of community service activities last year and we hope to build on that this year. We are already planning to spend a day contributing to the construction of a Habitat for Humanity house; those who worked on the house last January thoroughly enjoyed themselves. Watch the future SW Branch newsletters for more information on Branch community service activities.

I look forward to this year as your SW Branch President. We have a Branch Board that is dedicated to serving the SW Branch. We are always looking for good Branch meeting ideas and we know other Branch members might have good ideas for tours or presentation topics. Please feel free to contact me or any of the other SW Branch board members with any ideas you might have that the Branch could use for community service activities, Branch meetings, or Spring Technical Conference speakers.

Mark Meyers
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