The Partnership for Achieving Construction Excellence

The 19th Annual PACE Roundtable

Building a Collaboration Culture

October 27th-28th, 2010

Department of Architectural Engineering

The Pennsylvania State University
Dear Friends of PACE,

The last year has clarified the segments of the building industry that have weathered the economic downturn. A growth in integrated delivery and collaborative efforts has also emerged. In this year’s Roundtable meeting, we will examine methods to keep moving forward and how the industry is:

“Building a Collaboration Culture”

The PACE Roundtable has a mixed format that will include two break-out sessions in which critical industry issues will be discussed, a team collaboration exercise, and joint industry-student panel discussion.

Break-Out 1 & 2: Attendees will break into groups that examine specific topics in 1) sustainability and green building, 2) process innovation, and 3) technology applications.

Team Collaboration: Team collaboration and negotiation activity moderated by Professor David Riley.

Panel discussion: How is the economy impacting the industry? (Student/Industry panel moderated by Professor David Riley).

The main discussion topics, identified by The PACE Advisory Board, are:

<table>
<thead>
<tr>
<th>A. Sustainability / Green Building</th>
<th>B. Technology Applications</th>
<th>C. Process Innovation</th>
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</thead>
<tbody>
<tr>
<td><strong>Session 1A:</strong> Educating a future workforce for delivering high performance buildings</td>
<td><strong>Session 1B:</strong> Transformation: What are the innovations that will transform our industry</td>
<td><strong>Session 1C:</strong> IPD: Exploring the drivers behind highly integrated delivery of projects</td>
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<td><strong>Session 2A:</strong> The Smart Grid: Energy impacts in the building industry</td>
<td><strong>Session 2B:</strong> Carrying BIM to the field – new responsibilities, roles, &amp; competencies</td>
<td><strong>Session 2C:</strong> Operations &amp; Maintenance process integration in new and retrofit projects</td>
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After the Roundtable, students will conduct research on the topics raised during the discussion and present their results at our PACE Research Seminar and Awards Banquet on April 19-20, 2011 at the Penn Stater Conference Center Hotel. Please plan on attending this important event!

Sincerely,

David Riley; Associate Professor of Architectural Engineering
Director, the Partnership for Achieving Construction Excellence
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WEDNESDAY OCTOBER 27TH - AGENDA

6:00 p.m.  ROUNDTABLE REGISTRATION AND OPENING RECEPTION
Dean’s Hall I

7:00 p.m.  WELCOME ADDRESS AND BANQUET
Dean’s Hall I - Professor David Riley
THURSDAY OCTOBER 28TH - AGENDA

All events will be held in Room 207, unless otherwise specified.

7:30 a.m.  
**REGISTRATION AND CONTINENTAL BREAKFAST**

8:15 a.m.  
**KICK-OFF**
*Professor David Riley, John Messner, and Rob Leicht, Update on PACE/AE*

9:00 a.m.  
**BREAK / MOVE TO BREAKOUT ROOMS**

9:30 a.m.  
**BREAK-OUT SESSION I**

1A. Educating a future workforce for delivering high performance buildings  
(Room 213)

1B. Transformation: What are the innovations that will transform our industry?  
(Room 214)

1C. IPD: Exploring the drivers behind highly integrated delivery of projects  
(Room 215)

10:30 a.m.  
**BREAK**

11:00 a.m.  
**BREAK-OUT SESSION II**

2A. The Smart Grid: Energy impacts in the building industry  
(Room 213)

2B. Carrying BIM to the field – new responsibilities, roles, & competencies  
(Room 214)

2C. Operations & Maintenance process integration in new and retrofit projects  
(Room 215)
12:00 p.m. **Lunch in the Senate Suites**

1:15 p.m. **Focus Group: Team Collaboration**

Students and industry professionals will work in teams in a negotiation and collaboration exercise that will raise issues of conflict, balance, and competition.

2:15 p.m. **Afternoon Break**

2:30 p.m. **Industry/Student Panel: Getting a Job in a Poor Economy**

Students and industry professionals share perspectives on how the economy is impacting the industry. What are the new markets are providing jobs? How can new graduates, interns, and alums find jobs in the next two years?

3:45 p.m. **Summary and Adjourn**
INDUSTRY SPONSORS

We would like to thank the following companies for sponsoring student attendance at this year’s PACE Roundtable:

Balfour Beatty Construction **

Barton Malow Company

DPR Construction *

Foreman Program and Construction Managers

Forrester Construction Company

Hensel Phelps *

*These companies generously sponsored two students.

**These companies generously sponsored three or more students.
UPCOMING PACE EVENTS

Generations 10-20-30 Reunion

April 19, 2010

An annual event that provides an opportunity to meet with your fellow Penn State AE construction management alumni, the “PACE Generations 10-20-30 Reunion” highlights the classes of 1980, 1990 and 2000.

PACE Research Seminar

April 19-20, 2010

Held each spring, the research seminar combines presentations of research results and timely industry speakers for a diverse audience of building industry professionals.

PACE Advisory Board Meeting

June 2, 2011

Representatives from PACE Member companies meet to discuss key issues facing the building industry, and establish a research agenda for the next year.
PACE MEMBER BENEFITS

LEADER

*An annual contribution to the PACE program of $20,000 or more.*

*Benefits:* In addition to the benefits of a Partner, Leaders will be recognized as named sponsors of a distinctive student program in the construction management and/or AE curriculum.

PACE would like to thank **Balfour Beatty Construction and Southland Industries** for contributing at the leader level.

PARTNER

*An annual contribution to the PACE program of $10,000-$19,999.*

*Benefits:* In addition to the benefits of an Associate, Partners will be invited to participate in an annual *Internship Workshop* held for AE undergraduate students in conjunction with the PACE Roundtable meeting.

ASSOCIATE

*An annual contribution to the PACE program of $5,000-$9,999.*

*Benefits:* In addition to the benefits of a Donor, Associates will be offered first right of refusal for a premium booth location at the AE career fair *and* will receive an annual invitation to provide a guest presentation in an AE course.

DONOR

*An annual contribution to the PACE program of $1,000-$4,999.*

*Benefits:* Free advertising in the form of the company name and logo included on the *Active PACE Member* list on the PACE Web site and an invitation to PACE Advisory Board Meeting where companies gain the ability to influence the direction of AE student research.
2010-2011 PACE CONTRIBUTORS

Thank you for your support!

LEADERS

Balfour Beatty Construction
Southland Industries

PARTNERS

Clark Construction Group
Forrester Construction Company
Gilbane Building Company
Truland Systems Corporation

ASSOCIATES

Barton Malow Company
DPR Construction, Inc.
Hensel Phelps

DONORS

Foreman Program and Construction Managers
Langan Engineering & Environmental Services
McClure Company
Reynolds Construction Management
Trammel Crow Company
# Roundtable Evaluation Form

*Please complete the following questionnaire in order to help us plan future PACE activities.*

## Circle appropriate response

<table>
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<tr>
<th>Seminar Content</th>
<th>Poor</th>
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<th>3</th>
<th>4</th>
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<th>Additional comments</th>
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<tr>
<td>Overall quality of sessions</td>
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<tr>
<td>Quality of discussion</td>
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<tr>
<td>Relevance of subject matter</td>
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## Seminar Format

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<td>Length of sessions</td>
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<td>Breakout sessions</td>
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<td>Student / Industry interaction</td>
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## Organization

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<td>Clarity of handout materials</td>
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<td>Food &amp; beverage service</td>
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List one topic for student research that is most critical to your business:

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Please give one suggestion to improve this seminar:

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If you are interested in becoming more involved with the PACE organization, please leave a business card with the word PACE written on the back.

**PLEASE RETURN THIS FORM AT THE REGISTRATION TABLE**