



American Society of Civil Engineers

Our web site: <http://sections.asce.org/columbia/index.html>

Columbia Section

Since October 10, 1950

Newsletter

April, 2009

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Columbia Section Meeting

Date: Wednesday, April 15th, 2009

Place: **Shilo Inn, George Washington Way, Richland**

Meal: Buffet (Chef's choice) - \$15 per person
Please pay cash or check to treasurer at meeting

Topic: (BSEL) Bioproducts, Sciences, & Engineering Laboratory

Speaker: Keith Thomsen, DEnv, PE, BCEE, M.ASCE

Lunch will start at 11:30, and the presentation will begin at Noon.

RSVP to: Paul Smith, Psmith@mackaysposito.com or 509-374-4248
by April 14th, 2009.

Dear Members:

I missed our time together last month and I look forward to seeing you all at this month's meeting. I hope you will join us to learn about the WSU-BSEL facility from manager, Dr. Keith Thomsen.

So far this year we have had a lot of interest in developing the younger members area of ASCE from some of the local colleges. We have also had interest in getting the section website current. The current group of people who volunteer to make our section go do a great job, but we are always looking for more help. Please contact me if you are interested in helping out in these and other areas.

Sincerely,

Jay Marlow, P.E.
Columbia Section, President

Presentation:

Bioproducts, Sciences, and Engineering Laboratory (BSEL)

The BSEL is a multipurpose research and development facility that includes operating space for all activities required to advance the science and engineering of processes for bio-based product manufacture. The building is located on the campus of Washington State University (WSU) Tri-Cities, approximately one mile south of the main campus of PNNL.

Speaker

Keith Thomsen, DEnv, PE, BCEE, M.ASCE

Keith is a Manager at the Center for Bioproducts and Bioenergy, Washington State University, Tri-Cities Campus.



WSU & PNNL BSEL

*Opening the door
for new opportunities
in Washington state*

*Bioproducts, Sciences, &
Engineering Laboratory*

The Bioproducts, Sciences, and Engineering Laboratory, or BSEL, is a \$24 million research center in which researchers would develop technology to convert biomass, including low-value agricultural residues, into value-added fuels and chemicals like plastics, solvents and fibers. The facility will provide much needed classrooms and laboratories for science education and additional research.

A joint effort between Washington State University and Pacific Northwest National Laboratory, BSEL is located on the WSU Tri-Cities campus.

Benefits to Washington State

Research and facilities at BSEL will

- boost Washington state economy by expanding agricultural markets and generating jobs and investment opportunities
- develop technology for potential spin-offs to private industry, creating new businesses and further enhancing Washington's economy
- provide WSU students a comprehensive educational experience aligned with industry needs
- contribute to creating a more sustainable economy and environment in Washington state
- be a key ingredient in plans to expand WSU Tri-Cities into a four-year university.



"This particular laboratory, I believe, is the wisest investment we can make for the future of the Tri-Cities and for the entire state."

—Governor Chris Gregoire

Physical Description

BSEL is a 57,000-square-foot facility containing

- teaching laboratories
- advanced biological and chemical research laboratories for bioproducts and selected science and engineering research
- engineering development laboratory to provide industry relevant data
- classrooms and offices
- \$9 million in equipment, provided by PNNL that would be available to WSU faculty and students.

Unique Features

The BSEL facility will contain unique equipment and facilities that foster inquiry-based learning, including

- co-located, interdisciplinary research and teaching laboratories
- state-of-the-art analytical, chemical and biological research instrumentation
- integrated, advanced conversion and processing technologies for process development.

Funding

BSEL, a \$24 million investment, is funded by Washington State University's higher education construction budget and a 20-year lease agreement between WSU and Battelle, which operates PNNL for the Department of Energy.

WASHINGTON STATE
UNIVERSITY

Pacific Northwest
National Laboratory
Operated by Battelle for the
U.S. Department of Energy

HOWARD PRESTON SCHOLARSHIP AWARD

The Columbia Section of the American Society of Civil Engineers invites applications for the Howard Preston Scholarship Award. The purpose of the scholarship is to promote excellence and professionalism in the field of Civil Engineering. The scholarship will provide financial support for the student's educational expenses.

Scholarships to be awarded will range from \$1,000 to \$2,000. Scholarships are in the form of certificates of award conditioned upon the enrollment of the student as specified under student eligibility requirements. Upon receipt of notice of enrollment from proper officials, a check for the amount of the award will be forwarded to the college or university to establish a credit for the student.

STUDENT ELIGIBILITY REQUIREMENTS:	STUDENT SELECTION will be based on the following standards:	
<p>1. Be enrolled by the fall term of 2009 in Civil Engineering with a minimum of junior status or be a graduate student in Civil Engineering in an ABET (Accreditation Board for Engineering and Technology) accredited college or university in the United States of America.</p> <p style="text-align: center;">and</p> <p>2. U.S. Citizenship</p> <p style="text-align: center;">and</p> <p>3. Have parents residing, in or have graduated from high school located within the following Columbia Section boundaries:</p> <p><i>Washington:</i> Counties of Yakima, Klickitat, Benton, Franklin, Walla Walla, and Columbia</p> <p><i>Oregon:</i> Counties of Morrow, Umatilla, Union, and Wallowa</p> <p style="text-align: center;">or</p> <p>Have been a resident of one of the counties listed above for at least two years.</p> <p style="text-align: center;">and</p> <p>4. Have an overall GPA of 3.0 or higher based on a 4.0 scale or equivalent</p>	<p>1. Need Analysis Description</p> <p>2. Leadership & Professional Character</p> <p>3. Scholastic</p> <p>4. Other Factors at discretion of selection committee</p>	<p>40 %</p> <p>30 %</p> <p>20 %</p> <p>10 %</p>

STUDENT APPLICATION PROCEDURE

1. Send the attached application to: Travis Marden
J-U-B ENGINEERS, Inc.
2810 W. Clearwater Avenue, Suite 201
Kennewick, WA 99336
2. Provide directly from the college or university to the above address an official transcript showing all college work.
3. Discuss which branch of Civil Engineering you are interested in and why. Also, provide a description of how you are financing your education and why you feel this money is important to your financial package.

All application materials must be received no later than June 1, 2009, in order that award may be made by August 1, 2009.

**AMERICAN SOCIETY OF CIVIL ENGINEERS
COLUMBIA SECTION**

**HOWARD PRESTON SCHOLARSHIP AWARD
APPLICATION**

Student Full Name: _____ **SSN:** _____

Student Address: _____ **Phone:** _____

Date and Place of Birth: _____ **Citizenship:** _____

Father's Name: _____

Address: _____

Phone: _____

Mother's Name: _____

Address: _____

(if different from father's)

Phone: _____

(if different from father's)

Name of High School graduated from:

Address: _____ City: _____ State: _____

Name and Address of Colleges or Universities attended:

Additional information and separate pages may be submitted to cover the requested information.

1. NEED ANALYSIS DESCRIPTION

Provide a description of how you are financing your education and why you feel this money is important to your financial package.

2. LEADERSHIP AND PROFESSIONAL CHARACTER

A. Offices and positions of leadership (State name of organization, position and year).

B. List honors and awards:

C. List last three employers (State name, address, phone, and job title and date held):

D. List name, address, and phone of two professors for references:

E. List membership in organizations and dates:

F. List volunteer service for school, community, or other organization:

3. SCHOLASTIC

A. Grade Point Average through June of current year:

Overall GPA: _____

Major GPA: _____

B. Provide directly from the college or university an official transcript showing education through June of the current year.

C. List honors and awards:

ASCE MEMBER

Are you a member of ASCE? Yes _____ No _____

DATE

SIGNATURE OF STUDENT

APPLICATION SUBMITTAL

Application must be received no later than June 1, 2009 by:

Mr. Travis Marden, Scholarship Chairperson
J-U-B ENGINEERS, Inc.
2810 W. Clearwater Avenue, Suite 201
Kennewick, WA 99336
Phone: (509) 783-2144