



Knowledge for Creating and Sustaining the Built Environment

Volume 46, Issue # 9

June 2007

Portland Chapter - The Construction Specifications Institute

Back to school night with Portland Chapter CSI
Rosa Parks School
(8960 N Woolsey)

June 12, 2007

4:30 PM – Gather at Front Office

5:00 PM – Tour of Facility

6:00 PM – Dinner

7:00 PM – Awards Banquet

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Join your friends and colleges for a tour of the Rosa Parks Elementary School in the New Columbia Housing Development. This unique school was dedicated October 10, 2006 this is the first new school for Portland Public Schools in over Thirty Years (besides Forest Park) It incorporates the past uses at Ball Elementary School, the school Rosa Parks replaced: A welcoming entry. A front Entry office, Spaces for professional Collaboration. And it adds new features, as you walk through this new school, note that it is "zoned" for easy access to areas available to the community, as well as to encourage shared use and partnership opportunities. The Design is flexible, to support a variety of student groupings, learning styles and individual instruction.

This school represents a new way of doing things –
A new way of funding school construction
A new way of designing learning spaces
A new way of defining "children first" by addressing the needs of the "whole child"
A new way of building partnerships
A new way of linking a public school to its community and the community to a school

Representatives from Dull Olson Weeks Architects (architect) – Walsh Construction Co (General Contractor) Portland Public School (Owner/User) Boys and Girls Club (User) Housing Authority of Portland (Owner/Funding) Mazzetti and Associates and KPFF Consulting Enginners will take us on a unique tour of this wonderful new school.

We will also be giving awards to colleagues who have supported Portland Chapter CSI. Come cheer on your friends from CSI.

Cost: \$30.00 pre person with pre-paid reservations by June 7, 2007

TO REGISTER GO TO WWW.PORTLANDCSI.ORG
Space is limited, register today.

QUESTIONS? CONTACT JANE PHIFER 503-805-2500 or jane@portlandcsi.org

PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



Direct from the Institute Honors and Awards Web Site

We have a very special member of the Portland Chapter CSI being recognized at the Institute level

this year. Ms. Mary Alice Hutchins FCSI, FAIA along with only 13 other members has reached an incredible level of service to the organization. Below is a link to the institute page, and the notice posted there regarding the institute's appreciation for these long term supporters.

http://www.csinet.org/s_csi/sec.asp?TRACKID=KPL45TZUAGSSFKP8NP87TK2UDEYNYM7P&CID=254&DID=5567

Thank you, Mary Alice, for all your efforts during your career to leave in place such a strong foundation and legacy for the Portland Chapter CSI to grow and thrive upon.

Membership Milestones Recognition

CSI honors the following long-time members for their 50 years of commitment to CSI and the building construction industry.

For each member, CSI has contributed \$100.00 in their name to the Dale C. Moll Scholarship Fund. Our contribution is a legacy gift towards inspiring future generations to maintain the tradition of involvement in CSI, set forth by these individuals.



Ms. Mary A. Hutchins, FCSI, FAIA
Membership Category: Professional Emeritus
Chapter: Portland Oregon
Occupation: Architect
Date Joined: 03/01/1949

The Portland Chapter CSI will also be honoring our members of 20 years or more at our June Awards and Project Tour Dinner Meeting. Come out and show your appreciation for our longtime members' efforts.

Seized the moment!



Congratulations, and Thank You, to all the Design Professionals that came out to this year's 33rd Annual Portland Products and Services Fair. Hopefully you were able to grab some of those elusive CE/MCE credits that were offered and most importantly learned something new, for free, from our many extremely

knowledgeable and supportive Industry members during the trade show. If you missed the show, or didn't get a chance to speak to someone special; enclosed in this issue is a Thank You list of our many Appreciated Products and Services Fair Supporters. Please don't hesitate to give someone a call and thank them for supporting CSI, and get that special detail or bit of information you need to improve upon your next landmark (but eco-friendly) project.

Portland Chapter CSI Annual Golf Tournament August 9, 2007!

If you have not signed up yet, give Erica a call right away 360-567-2910. There are still a few sponsorship opportunities available and fewer team slots left. So grab your chance to get your company noticed or invite those special clients to an exciting day of golf at the beautiful Lewis River Golf Course, in Woodland, WA.

<http://www.portlandcsi.org/golf.html>



Congratulations Kaye and Jon Grasle!

Kaye Kloster and Jon Grasle were Wed on Saturday May 26, 2007 followed by a short honeymoon in San Diego. As Kaye stated, "Romance at CSI – another membership benefit!"

Renew Your Certification!

You probably already received your notice. However, if this has slipped your mind, it's just a friendly reminder for those who earned their CCS, CCA, and/or CCPR certification in 2004. You must renew your credentials by the end of June 2007 with the Institute. Otherwise your certification will revert to CDT.

Deadlines!

- June 19, 2007 exams in Baltimore.
- CSI Show and Convention, Baltimore June 20-23, 2007
- Portland Chapter Golf Tournament, August 9, 2007
- NW Region CSI Conference, "Water" the Good, the Bad, the Ugly, Salem, OR, August 23-26, 2007

PORTLAND PRODUCTS & SERVICES FAIR

THANK YOU TO THE VENDORS FOR THEIR SUPPORT

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Venice Genoa Tile LLC
Vinyl Corp.
W. R. Meadows
Wanke Cascade
Web Steel Buildings
Western States Sales
Westview Products
Woodway - LWO Corp.
Woodwork Institute



Hello CSI golfers and spectators

Yes you, the one looking out side hoping to see a ray of sunshine come through your office window.

Hoping that there will soon be a day to play hooky and try out that new club you got for Christmas.

WELL THE DAY IS COMING!!!

THURSDAY, AUGUST 9TH, 2007 AT
LEWIS RIVER GOLF COURSE

REGISTRATION STARTS AT 10:30

SHOT GUN START AT 1:00

There's the date, the time, and the beautiful place.

Space is still available for teams and sponsorship.

So give me a call, let's chat.

Are you ready to get out on that green to scream "fore"?

Or some other chosen words.

CONTACT ERICA BITTERMAN-RYON AT

PRECISION IMAGES 360-567-2910

You can know register on line at www.portlandcsi.org

[Questions comments email me at: ebitterman@precisionimages.com](mailto:ebitterman@precisionimages.com)

PERKY'S NOTES

By: Perky Kilbourn, PhD, CSI



A recent issue of Cool Roofing had an interesting article "New green roof provides basis for extensive study" by Robert Kravitz. Kravitz started his article by discussing the 2006 Greenbuild International Conference and Expo which was held in Denver.

Special tours of the new 232,000 square foot U.S. Environmental Protection Agency (EPA) building were provided for show attendees. Quoting from the article - This EPA building was constructed with a variety of environmentally friendly and energy-saving products and materials. Photovoltaic panels and wind turbines were installed to help generate electricity and the top of the building features a green roof. The green roof should be able to minimize storm water runoff and meet very strict storm water runoff guidelines.

The EPA developed a system to measure storm water runoff directly next to the green roof and the captured water is to be sampled and analyzed for pollutants and other contaminants. Hopefully EPA will be able to assess plant selection, growth patterns and maintenance requirements. The EPA intends to evaluate the saving from heating and cooling costs. Other questions to answer are whether the green roof lasts longer than a conventional roof and whether the green roof will minimize the "urban heat island" effect that makes core cities warmer than surrounding areas.

Environmental Design & Construction had a similarly interesting article in the April 2007 issue. This article was entitled "Campus Commitment shapes a sustainable community" by Kurt Haapala. Pacific University, one of Oregon's oldest universities (founded in 1849) though not the oldest (Willamette University in Salem was founded in 1842), has a student residence hall which was designed as an environmentally sensitive building.

This 59,000 square foot building was constructed by a contractor who was able to recycle 93% of the construction waste. The administration hoped that this building would foster a sense of community among classmates who live in the building. In addition, the administration wanted to provide a bridge between the main part of campus and an existing student housing complex.

Some of the sustainability features in the building included large, high-performance "operable" windows, programmable thermostats, high-efficiency light systems, energy-savings appliances, mechanical and energy recovery systems, low-flow kitchen and bath fixtures and zero irrigation landscaping.

This last discussion is going to be from a scientific publication. The February 9, 2007 issue of Science had a Special Section - Sustainability and Energy which contained News and Perspectives. The Introduction started with the statement of the major challenge of sustainability being energy consumption. Most people and companies in the United States are currently dependent on nonrenewable fossil fuels. This dependency on fossil fuels contributes to pollution and climate change. There were several articles on research into different ways of tapping into the abundant, renewable resource - solar energy - which is one of the major focus (along with wind power) in the hunt for sustainable energy.

Solar power can be tapped in a couple of different ways - **First** is direct conversion of sunlight into energy with solar cells. There is one additional problem which I learned of by talking with a person who was using solar power. If you have a good solar exposure and install photovoltaic cells you may generate a moderate amount of electricity. Don't forget to make provisions to handle the extra electricity you may generate on a sunny day. Apparently, you can make arrangements with your local electric company to sell this electricity to them.

Second the indirect conversion of sunlight into biomass which can then be fermented and ethanol produced. This bio-fuel (ethanol) reduces the need for imported oil and most trucks currently require only a minimum modification to use bio-diesel. Cars take more modification but it is feasible and according to one of the articles, the European Union hopes to produce a quarter of its transportation fuels from biomass by 2030.

In the News section are discussions of some of the research being done to provide sustainability **First** for solar power the use of the Silver Cell which comes from a thick solar wafer which is divided into thousand of long thin slices which are the Silver Cells. These Silver Cells are less expensive to produce because less monocrystalline silicon is used then with conventional wafers and yield comparable energy.

Second to develop better plants to grow as fuel - one researcher reported on efforts to replace corn with poplar trees as fuel for making ethanol. The problem with the poplar is the liginin which interferes with ethanol production by blocking enzymes from getting at the cellulose to break the cellulose down to make ethanol.

Third to find a better way to biomass such as using Miscanthus - a hardy grass that grows to a height of 4 meters and has been widely studied as a bio-fuel feedstock in Europe but not in the United States. The plan is to have small farms produce crops such as Miscanthus for local bio-refineries. The alcohol which is produced in the bio-refineries can be sold back to the farmers at a reduced price to encourage the farmers to grow Miscanthus.

(Continued on page 6)

CSI NORTHWEST REGION CONFERENCE

CSI “Water”, The good, The Bad, and The Ugly August 23 – 26, 2007

Start the CSI NW Region Conference on August 23rd with a grand tour of the Oregon Garden. For those of you not golfing, the Oregon Garden is a great choice to enjoy this magnificent display of landscaping and horticulture, tour the Frank Lloyd Wright Gordon House and finish the day with a scenic ride to Willamette Valley Vineyards for a short tour and wine tasting.

This event will provide 2.0 HSW LU hours continuing education credits as well as lunch!

The Garden may be toured on foot, on a tram, or both. The Garden, considered an 80 acre world of discovery was opened in 2001 and is located in historic Silverton. The Gordon House is Wright's only Pacific Northwest project and has been meticulously reconstructed on the Oregon Garden property.

Visit the Oregon Garden website at www.oregongarden.org and visit the Gordon House at www.thegordonhouse.org and you can also see www.willamettevalleyvineyards.com for more information about the winery.

Register for this event on your CSI Conference Registration form. The cost includes guided transportation, lunch, touring, and a visit to Willamette Valley Vineyards, rain or shine. The tour will begin at the front entry of the Phoenix Grand Hotel at 11:30 am.

If you are interested in sponsorship opportunities for this event or if you have any questions please contact Chris Veit at 503-390-0281 or Jane Phifer at 503-805-2500. We look forward to seeing you and sorry...no skateboards.

PERKY'S NOTES

(continued from page 4)

Fourth to develop catalysts to extract hydrogen from water or generate electricity from hydrogen. Using a aerogel with nanoscopic pores which create a labyrinth of tunnels through which molecules can pass almost unhindered. This then provides a large enough surface area for electrocatalysts (movement of electrons from cathode to anode on a nanoscale) to provide measurable electricity.

Fifth to build wind farms in and around Ireland and the United Kingdom with the idea of a European Offshore Supergrid. The supergrid proposes hooking wind farms to a grid that extends throughout the North Sea, into the Baltic and then via the English Channel, the Irish Sea and the Atlantic coast of Ireland. Thus there would be enough points of wind power collection to generate a continuing current of electricity. Wind Mill Farms in the Columbia Gorge and in some places in California because the wind is blowing continuously. Airtricity is the developer and current operator of wind farms in and around Ireland and the United Kingdom. Because of their current success they came up with this idea to expand the grid.

Sixth to use a ruthenium based catalyst which uses solar energy to strip protons and electrons from an acid and stitch them together to make hydrogen gas molecules and another ruthenium based catalyst that absorbs light and uses the energy to stitch oxygen atoms together to make oxygen gas molecules. Combining these two reactions should provide electricity but this research is still in its preliminary stages.

There were additional research projects underway but most were even more theoretical.

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NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)

Dan Graham, CSI, CDT.....907-261-9203

Puget Sound, Seattle, WA (Second Tuesday)

Dave Walter, CSI.....425-774-7704

Mt. Rainier, Tacoma, WA (First Thursday)

Jeff Herrmann, CSI,CDT.....253-756-8191

Spokane, WA (Second Thursday)

Jim Devaney, CSI..... 509- 953-1719

Portland, OR (Second Tuesday)

Jane Phifer, CSI.....503-805-2500

Capital, Salem, OR (Third Thursday)

Chris Veit, CSI, CCS.....503-390-0291

Willamette Valley, Eugene, OR (Last Thursday)

Doug Mullican, CSI, CCCA.....541-687-9451

Idaho, Boise, ID (First Tuesday)

Steven Turney, CSI, CDT.....208-345-8872

Big Sky, MT

Jan O'Brien, CSI.....406-245-6363

Region Website
www.csinwr.com

June 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- 6/5 CSI Board Meeting, *Noon, AIA Office*
 6/14 CSI Specifiers Share Group Meeting, *Noon, ZGF*
6/12 CSI Chapter Meeting - Tour & Awards Program
 6/20 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 6/25 Membership meeting, *Noon, Macadam's bar & grill*
 6/28 CSI Specifiers Share Group Meeting, *Noon, ZGF*

July 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

- 7/12 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 7/13 CSI Planning Session, *2:00 PM, Garden Room,*
 7/26 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 7/30 CSI Membership meeting, *Noon, Macadam's Bar & Grill*

August 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- 8/09 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 8/09 CSI Golf tournament, *Lewis River Golf Course*
 8/21 CSI Membership meeting, *Noon, Macadam's Bar & Grill*
 8/22 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 8/23 CSI Specifiers Share Group Meeting, *Noon, ZGF*

8/23-8/25 CSI NW Region Conference, Salem, OR