



Knowledge for Creating
and Sustaining
the Built Environment



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Portland Chapter - The Construction Specifications Institute

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Tuesday, May 12, 2009

4:00 pm – 8:30 pm

World Trade Center Sky Bridge Terrace

Portland Chapter CSI is introducing a new event for 2009- our first annual **INDUSTRY FORUM!**

Join over 200 industry professionals at the World Trade Center for education and networking while seeing an array of new building products and construction services. Following a delicious dinner, we will be treated to a dynamic presentation on A.E Doyle and his many contributions to Portland's architecture.

This is an INVITATION-ONLY event! Haven't seen your invitation yet? Just contact your favorite Manufacturer's Representative to be included at their table, contact a sponsor or call Cherie McNabb: 360-281-1918.

The Forum is your best opportunity to build industry contacts and expand your network face-to-face with the people who make things happen. See more at: www.portlandcsi.org

KEYNOTE SPEAKER

Phillip Niles Historian and author of the A.E. Doyle biography Beauty of the City – CEU's available



Get up close and personal with Portland's own A.E. Doyle as seen through the eyes of historian Phillip Niles. No single architect has had such a significant architectural impact on a metropolitan city anywhere else in the United States. At nearly every turn Doyle's impact can be seen and felt in the many historic buildings designed by the great architect.

Join us for an evening with Phillip Niles, Professor Emeritus of History at Carleton College and a Portland native and author of the first ever biography of the influential designer of such Portland landmarks as the Multnomah County Central Library, much of Reed College, PGE Park, the Benson Hotel, the Meier & Frank building, the U.S. Bank Building, and the well known Benson Bubbler. Mr. Niles will be signing copies of his book for purchase at the event.

SEMINAR

Michael Fuller AIA, NCARB, CSI, CDT, LEED®ap CSI's Green Format - CEU's available



With increasing demand to create "Green" buildings through design, Portland CSI is excited to present an educational and informative seminar on CSI's new GreenFormat!

This free, web-based format provides a framework to assist designers and specifiers with an unbiased approach for evaluating green products and associated information organized by Master Format divisions.

Michael Fuller – HOK Senior Associate, Project Manager and Quality Controls Manager will be presenting this new product with his insights about using it effectively to identify "Green" products for use in your projects.

To register as an Exhibitor Click here www.portlandcsi.org or contact Cherie McNabb 360-281-1918.



PRESIDENT'S MESSAGE

By: Russ Pitkin, CSI, AIA



As tax day and tax freedom day are both finally behind us for another year I look forward with excited anticipation to warmer spring weather and our first annual Portland Chapter Industry Forum. This event replaces the Portland Products and Services Fair and should be one that has something that may not have been experienced at the Portland Products and Services Fair for the last few years, that being a concentration of those specifiers, architects, and engineers who are the decision makers for which products are best suited to be used on their projects.

The Industry Forum is intended to provide product and service representatives with a convenient and comfortable venue that will combine this concentration of decision makers with those representative who have the wealth of product knowledge needed by the decision makers to select the best products for their particular project application. This event will create an environment that undoubtedly will help stimulate all sorts of possibilities.

The Portland CSI industry Forum for 2009 is comprised of four components, three of which are formulated to educate in comfortable and enjoyable surroundings. This year our event is being held at The World Trade Center, on the second level, with a great view of the fountain at Tom McCall Waterfront Park and off in the background, Mt Hood.

The industry Forum begins with the optional educational seminar segment from 4:00 to 5:00. The seminar will feature CSI's new "GreenFormat" as the topic and attendees will receive one learning unit in the newly required "Sustainable" credit type category. The "GreenFormat" made its debut this year at "Green Build" and should be of interest to those who want to use green products in the design of sustainable facilities.

The two hour (4:30 to 6:30) informal informational exhibition will provide product specific learning opportunities as invited guests will mingle with exhibitors gleaning the latest product and service information while obtaining a specified number of booth sign-offs to qualify for door prize drawings. There will be complimentary hors d'oeuvres and beverages served adjacent to the exhibit tables. During this time also, our guest speaker, historian and author, Phillip Niles will be present. Copies of his latest publication on A E Doyle and Portland Architecture will be available for purchase and signing. Following the exhibitor informational segment will be the dinner from 6:30 to 7:30. Dinner choices will already have been made in advance by each attendee through their response to an "evite." Each attendee will sit at the table of the exhibitor who invited them.

Following dinner, our speaker, Phillip Niles will entertain event participants with a presentation on the well known Portland architect A. E. Doyle and his architectural works throughout the city. The presentation should be quite interesting and it may be a little surprising to see the number of buildings Doyle designed that are still standing in the Portland skyline. The presentation should last about an hour ending around 8:30. This fourth and final segment will conclude The Portland CSI industry Forum for 2009.

The Industry Forum is modeled after the very successful "ProSpec" event put on each year by the Puget Sound CSI Chapter in Seattle. The Portland event will be run in essentially the same manner with only a few minor functional adjustments, however the exhibitors still select the attendees to invite. If the exhibitor does not have a list of attendees, the Portland Chapter can assist with a waiting list of those who would like to attend. Once a list of attendees are selected by the exhibitor the Portland Chapter will send out an "evite" asking for the attendee's confirmation of attendance and their selection of entrée for dinner and if they will be attending the educational seminar.

Exhibitors can sign up for one of three packages on-line at the Portland Chapter website (www.portlandcsi.org) as long as packages are still available. Information about each of the three packages' advantages and benefits are posted on the website. Each package will entitle an exhibitor to a specific number of seats and once the exhibitor has determined their need for seats the balance will be available for them to invite attendees.

In these uncertain economic times, the successful are those who remain actively engaged in seeking the work that is out there and the work about to be out there. Don't be left out of the mix for success; participate in The Portland CSI industry Forum for 2009.

PERKY'S NOTES

By: Perky Kilbourn, CSI



Note #1 Electric Cars

I found an interesting discussion on <http://www.manufacturing.net/article.aspx?ed+193766>. The discussion was entitled "Oregon Pushing for Electric Car Boom" by Ryan Kost, Associated Press Writer Manufacturing. Net - April 13, 2009. Reportably, on April 13, 2009, Oregon's Governor, Ted Kulongoski, drove an electric vehicle prototype. According to the article there are proposals in the Oregon Legislature to give Oregonians a tax credit if they purchase an electric-only vehicle assembled in Oregon. Another proposal would add alternate-fuel vehicle manufacturers to a list of businesses eligible for state aid. The article closed with the statement that the governor may test drive an electric model from another manufacturer on April 22, 2009. The article was followed by 6 user comments. What about the power grid? What is the source of the electric energy?

One user suggestion was ocean harnessing to produce the electric energy to power the electric cars. It would appear that a lot of people are thinking about making electric cars work.

Note #2 Biofuels

Another challenging research area is with biofuels. In the March 15, 2009 issue of *Genetic Engineering & Biotechnology News*, was an article "U.S. Biofuels Market Off and Running" by Elyn Kerr. As of January three companies - Iogen, Abengoa Bioenergy and Poet have pilot scale cellulosic plants in operation. Quoting the article " . . . widescale commercial cellulosic ethanol should be available by 2011." The rest of the article discusses several companies and their past, current and potential future involvement in the biofuel market. Microorganisms are capable of making ethanol from various biological materials. Currently, research scientists are trying to figure out the most profitable microorganism-biomass-ethanol combination.

Note #3 Forests

An article, with the title "Widespread Increase of Tree Mortality Rates in the Western United States" appeared in the January 23, 2009 issue of *Science*. The authors were from eight institutions and they examined 76 forest plots in the western United States and southwestern British Columbia. They reported that the background tree mortality rates have increased rapidly in recent years, with the amount doubling from 17 to 29 years among regions. Increasing tree mortality did not appear to be caused by increases in competition among trees nor caused by fire exclusion. Drought stressing of trees may enhance the growth and reproduction of insects and pathogens that attack trees. The authors suggest that increase in the average temperature and decrease in water are causing the increase in tree mortality rates.

Note #4 FDA

Twenty years ago there was a generic-drug scandal in which FDA administrators accepted bribes for quick drug approvals and drug makers admitted to deliberately defrauding drug regulators. One of the programs which resulted from the scandal was the Generic Drug Enforcement Act of 1992. The FDA could "debar" people or whole companies from participation in agency activities if found guilty of deliberate fraud.

An article "Biotech's Baddies" by Bob Grant in the April 2009 issue of *The Scientist* discusses the worst of sixty offenders. The first offender forged clinical trial data to show an ineffectual cream successfully treated lymphoma and psoriasis. The second offender passed off a prescription drug as a botanical product that could treat a wide range of ailments. Botanical products do not need to have FDA approval to be sold over the counter. Since this was a prescription drug it needed to have FDA approval and could not be sold as a botanical product. The third offender bilked investors out of almost \$2 million, mail fraud and manufacturing a drug under conditions that did not meet FDA standards. The fourth misbranded a cancer treatment and administered it to patients.

(CONTINUED ON PAGE 5)

APRIL MEETING RECAP

Two students perspective

This evening, I and four other PCC students were invited to attend the monthly chapter dinner meeting for CSI. All five of us are architecture or interior design students, and we knew that this was a great opportunity to meet new people and hear about the proposed design for the SM-Art tower.

When another student and I walked in the ballroom at the Governor Hotel the CSI treasurer Fred Herbold of Mulvanny G2 immediately walked up to us and introduced himself. We didn't even have enough time to start feeling uncomfortable, let alone have to wonder what we were supposed to do next. The rest of the first hour was mingle time. We soon came to realize that making people feel comfortable and welcome is what the board of CSI does. Within minutes, the CSI president Russ Pitkin was taking us around introducing us to people. At the end of dinner I was lucky enough to have some time to chat with Eric Cugnart (designer) and John Flynn (project manager) from Mulvanny G2. These guys are the masterminds behind the SM-Art tower, and I felt fortunate to be able to talk to two great architects.

All in all, it was an informative and fun dinner to be able to attend. I think that CSI is a great networking and learning organization. I am going to get a membership, and I know at least one other student that was there will too. Also, we plan on spreading the word to our fellow students that this will be a great way to make contacts and see what's happening in the industry we are getting into.

Kari Erickson
PCC student
Architecture Design / Drafting

SM-Art Tower is a proposal by Mulvanny G2 Architecture as a design program to renovate Waterfront Park and the John Young Visitor Center Built in 1949. Project manager and designer John Flynn and Eric Cuginart for Mulvanny G2 Architecture proposed a new design for the waterfront park to the City of Portland. First, they intend to relocate the John Yeon Visitor Center, and second they have a proposal for an innovative SM-Art tower.

The SM-Art tower is an acronym for Sustainable Modern Art. The idea is to create a functional observatory tower. The design program calls for a museum for sustainable technology, a restaurant, and observation deck. On the base, public space is intended to include a coffee shop, a rental office, public restrooms, tower ticketing, and parking. On the top, an exhibit platform will be dedicated to green design and the sustainable technologies used on the SM-Art tower. Also a viewing platform will sit 610 ft. above the city with a ballroom and a two level restaurant. At the base, a large canopy will sit with approximately 30,000 sq. ft. of photovoltaic panels and the on the tower itself there will sit 230 vertical axis wind turbines.

The wind turbines that will be used have been in Europe for the last 7 years and they start generating electricity at wind speeds of 5 mph. The tower will produce 5,000 megawatt-hours of electricity per year.

This concept has been in effect for approximately 1 year. The city of Portland has a 2 year time table for review and feasibility studies. This is intended to be both a public and private venture.

Aside from a price tag of \$150 million, the site selection is also a giant obstacle for the initial vision to become a reality. John Flynn and Eric Cugnart have meet with key players that include the City of Portland's plan review board, the Mayor, and the public. Both Flynn and Cugnart have been working on projects that have led up to the SM-Art Tower. Eric Cugnart has worked in Paris and New York City for for I.M. Pei's Architecture firm. John Flynn has worked in Hong Kong, NYC, and is currently on the faculty staff of U of O.

I had the opportunity to talk with both principal and designer after their presentation. I asked Eric Cuganrt if Santiago Calatrava had any influence on the design, and he said many people initially think that due to the use of organic lines and geometry in the SM-Art Tower.

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PERKY'S NOTES (CONTINUED FROM PAGE 3)

Note #5 - Intel Northwest Science Expo

Perky judged some Science Fair Projects at the Intel Northwest Science Expo at Portland State University on April 3, 2009.

There were nine projects in the High School Division Biochemistry Category and seven projects in the High School Division Cellular & Molecular Biology Category. Judges, including Perky, started viewing these exhibits at 9:45 A.M. and finished at about 10:30 A.M.

The judges then discussed those projects each judge had seen and which projects were probably winners and all of the judges were asked to review.

The judges then talked to the students about their projects.

The judges had lunch, helped decide on winners and prepare a feedback form for each student in their Categories.

Next the judges figured out the candidates for Best of Fair and ISEF (Intel Science and Engineering Fair)

Once the candidates were identified, the judges interviewed the candidates for Best of Fair and ISEF.

After the interviews, the judges determined the Best of Fair and ISEF, helped complete the paper work and left the area where the judges had been meeting.

Perky also completed the paper work for the Special Award given by the local chapter of the National Honor Society for Women in Chemistry.

Finally Perky and Lee had dinner at PSU and walked over to Hoffman Hall for the awards ceremony. During the awards ceremony Perky (representing the local chapter of the National Honor Society for Women in Chemistry) gave a book, certificate and check to Maryann Tung, who had the best project in Chemistry. The title of her project was "Integration of CdS-sensitized nanobelts on a ZnO nanowire array in solar cells".

Please note, Perky judged projects in the High School Division Biochemistry Category and in the High School Division Cellular & Molecular Biology Category because last fall and earlier this year, Perky had helped students at Benson High School with their Science Fair Projects and they were in the Microbiology Category.

MEETING RECAP (CONTINUED FROM PAGE 4)

He, however, said that Calatrava was not an initial inspiration. Cugnart mentioned some Architectural influences; Renzo Piano, for making the sophisticated look simple and Norman Foster, for a subtle but well done appeal. He also mentioned French architects Jean Nouvel and Christian de Portzamparc, and I.M. Pei. He mentioned the ability of Russian Engineers to create a transparent system had an influence on the SM-Art Tower. Shape and structure are two key architectural elements that are integrated into the SM-Art Tower. In order to be inventive and create an organic structure 610 ft. tall, the combination of steel and concrete are used.

This combination is different from the Seattle's Space Needle which is primarily a steel structure and the Eiffel Tower which is an engineered steel structure. This is a first of its kind superstructure and will be a great addition to the City of Portland. Portland is already on the map for its bridge systems and its forward thinking green movement, why not give it a one of a kind SM-Art Tower.

Michael Rosati II
PCC Student



SAVE THE DATE



CSI- PORTLAND CHAPTER

2009

ANNUAL GOLF TOURNAMENT

AUGUST 14th

1PM SHOT GUN START

LEWIS RIVER GOLF COURSE

REGISTER ONLINE AT www.portlandcsi.org

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NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)

Mark Hughes, CSI.....907-267-5163

Puget Sound, Seattle, WA (Second Thursday)

Andrew Estep, CSI.....206-382-3393

Mt. Rainier, Tacoma, WA (First Thursday)

Bob Kenworthy, FCSI, CCS, CCCA..253-931-4904
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Spokane, WA (Second Thursday)

Thomas Gerard, PE, CSI, LEED-AP. 509- 328-2771

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)

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Idaho, Boise, ID (First Tuesday)

Karen Morris, CSI208-343-3620

Big Sky, MT

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

CALENDAR OF UPCOMING EVENTS

M A Y 2 0 0 9

S	MO	TU	WE	TH	FR	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
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24	25	26	27	28	29	30
31						

- May 5 - Board Meeting - Noon, *RiverEast Building*
- May 11 - Membership meeting, *Macadam's Bar & Grill*
- May 12 - CSI Industry Forum 2009 - *Two World Trade Center*
- May 14 - SSG, *Noon ZGF*
- May 28 - SSG, *Noon ZGF*

J U N E 2 0 0 9

SU	MO	TU	WE	TH	FR	SA
	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				

- June 2 - Board Meeting, Noon, *RiverEast Building*
- June 8 - Membership meeting, *Macadam's Bar & Grill*
- June 9 - Chapter Meeting - *Tour, New Member Orientation & Awards - TBA*
- June 11 - SSG, *Noon ZGF*
- June 25 - SSG, *Noon ZGF*

SSG Meetings confirm before attending

J U L Y 2 0 0 9

S	M	T	W	T	F	S
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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	

- July 7 - Board Meeting - Noon, *RiverEast Building*
- July 9 - SSG, *Noon ZGF*
- July 13 - Membership meeting, *Macadam's Bar & Grill*
- July 23 - SSG, *Noon ZGF*

SSG Meetings confirm before attending