



SPECTRUM

Newsletter of the Puget Sound Chapter CSI - November 2019 - VOL 71

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Event Spotlights

Powder Coating Plant Tour

Join Us on a Road Trip to Mukilteo, WA

Puget Sound CSI is taking you where the rubber meets the road, or where the coating meets the substrate! Join us for an information-packed tour hosted by:

- **Dan Vanuci**, General Manager of Powder Coating Inc.

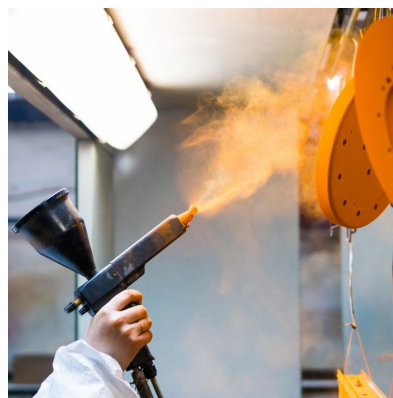
Not only will Dan explain the hows and whys of sandblasting, pre-treatment, and powder coating, he will also discuss thermoplastic coating.

This is not to be missed.

Join us after the tour for food and beverages at The Lodge Sports Grille for Burgers, Beer and Sport.

MEETING TIME FOR RIDE SHARE TO SITE

4:00 PM @ 1001 Alaskan Way, Seattle, WA 98104



**POWDERCOATING:
The How and Why Tour**

**Register and Find
Transportation
Here!**

THURSDAY, NOVEMBER 14, 2019

5:00-8:00 PM

Powder Coating Inc
11324 Mukilteo Speedway
Mukilteo, WA 98275

Event Sponsors:

HÄFELE



Spec Coordination Across Trades The Art of Useful Documentation

We believe that specifications can be an extremely useful tool, but we how often do we hear from the "end users," as in the people who work with the documents we write? In this two-class series, learn:

- How people are *actually* using specs
- What's useful to the end user and what's not
- What users would like to see in a spec
- How to make these documents more efficient and useful tools

[Register Here!](#)

In our first class, we learned straight from the sources - a general contractor, design build consultant and former manufacturer/fabricator.

In this interactive second class, we'll explore ways to implement these recommendations.

NOVEMBER 19, 2019
8:30 am - 12:00 pm
925 4th Avenue, Hines Multi-Purpose Room. Seattle.
AIA CEUs available

Event Sponsors:



New Member Event

Get Social and Network with CSI!

Join the CSI Puget Sound chapter board members for an evening of networking with industry professionals.

Why CSI? You should be a member of CSI if you are an architect, specifier, product representative, contractor, or any other kind of construction professional and you want

to know more than your piece of a project.

Sponsorship Opportunities Available!



WEDNESDAY, NOVEMBER 20, 2019

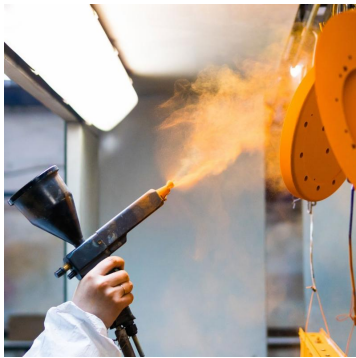
5:00 PM - 8:00 PM

STOUT Pub in Capitol Hill

1530 11th Avenue, Seattle WA 98122

[Register Here!](#)

Upcoming Events



November 14:

[Power Coating Plant Tour
and Post-Tour Social](#)



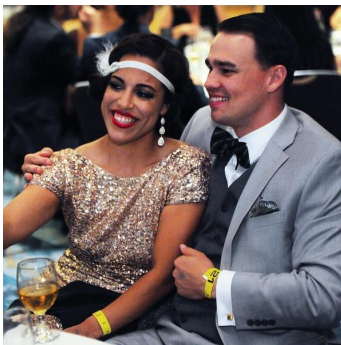
November 19:

[Spec Coordination Across
Trades, Class 2 of 2](#)



November 20:

[New Member Event](#)



December 12:

["SpecEasy" Auction +
Holiday Party](#)

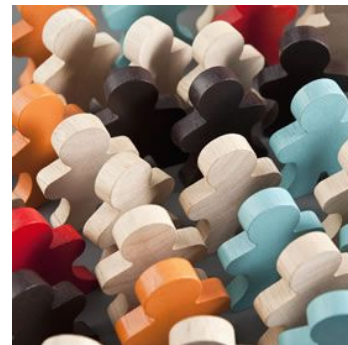
[More info coming soon!](#)



January 16, 2020

[Joint Meeting of
PSCCSI and SeaBec](#)

[More info coming soon!](#)



January 22, 2020:

[New Member Event](#)

[More info coming soon!](#)

The Legend of ProSpec

Auction Item Request

Every year our chapter holds a fundraising event in support of [Northwest Harvest](#), a hunger relief agency in Washington State.

Help us make this season a happy one for our community by donating items to be auctioned off at our December "SpecEasy" auction, for which 100% of proceeds will be donated to Northwest Harvest.

Email office@pscsci.org today to donate!

Sponsorship Opportunities

[Sponsorship packages](#) are available for all our [events](#). Please click on registration links for events above for sponsorship information.

President's Message

The Future of CSI

by Melissa Falcetti Balestri, PSC CSI President

A very geeky thing to admit, my favorite events during the CONSTRUCT conference are always the "CSI Annual Business Meeting and General Session," the "Chapter and Region Leaders Meeting," and our region's coordination meeting. Why? As the days pass, at times we feel disconnected from the rest of CSI, and this is an annual opportunity to connect to the national vision for the coming year.

Over the past few years, "Institute" (CSI National), has been working diligently to connect and improve the alignment of its chapters nationally, regionally, and locally. Leaders at the national level have been focusing on creating a more unified member experience within the CSI ecosystem while still allowing each chapter and region to maintain its individuality. Lately there have been many developments within the association that cannot be missed, so I'd like to take this opportunity to relay what I learned during the conference:

- **CSI-CONNECT** on www.csiresources.org: The most obvious change for most members (over the past couple of years) is creation of this online community forum connecting CSI members around the country in an easy-to-use **daily digest** that recaps discussions. The community has turned into a helpful knowledge-sharing and networking tool with well-above-industry-average levels of user interaction.
- A resource you likely haven't noticed on the national website is the brand-new **Learning Library**. Though currently underpopulated, the goal is to create a both reliable and trusted online teaching library. Today, you can access a two-part course on OmniClass, and others such as, "Issues for Consideration and Discussion: Claims and Disputes," "Keynoting: Is it Workable and Helpful?" and "Magical Thinking in Specifications." Some classes offer AIA LU/HSW credits and

more are on the way.

- If you are a CSI Certification holder, you received notices earlier this year about **digital badging**. It's a linked image to use on the CSI website, LinkedIn, and other websites, and is validated in real-time so others know your certification is current. Nearly 1,400 CSI members have accepted the badges to date.
- Last season, Institute developed the "**Dynamic Chapter Program**," a year-long online class specifically developed to help chapters create irresistible events. The goal to involve 10 chapters and 20 participants quickly skyrocketed to 76 chapters and 176 participants, resulting in Lehigh Valley Chapter's, "Baby It's Code Outside," and "Michigan Has Gone to Pot," an event discussing technical design considerations for dispensaries. Our own "Get Ugly, Get Un-Grinched," last season's holiday party, was developed using this program. Not one, but two of our Puget Sound Chapter leaders took the course, and through implementation we've discovered several more with a propensity toward pun-making (for our event names, of course!). As a plug – **if you happen to be punny or have the ability to come up with clever titles, we'd love your suggestions for upcoming event names!**
- Did you know that CSI is a 501(c)6 non-profit? Well, now the national organization is also **Gold-level GuideStar Compliant** and will be working with regions and chapters to become a gold-standard association across-the-board. GuideStar is controlled by the IRS database for tax purposes and is used to determine an organization's credibility level.
- Are you considering getting your CDT? Be prepared – CSI is **revamping the CDT teaching and study resources**. Though the content isn't changing much, the delivery method is. The focus will be on digitally searchable and mappable micro-learning that's applicable to today's industry realities.
- The **CCCA and CCS certification exams** will return in Spring 2020. If you've been waiting to take the CCPR, you have to wait a bit longer. The **CCPR certification exam** is currently scheduled to return in Fall 2020 while a needs assessment is run and a "psychometrically valid, legally defensible" exam is developed (I heard that phrase a LOT during the meetings; the other exams have already gone through or are currently going through this process). CSI is working directly with national manufacturers to select relevant content for the development of the CCPR exam.
- CSI's Project Dynamo's scope has expanded and has been rebranded to *Construction Information Exchange*. Don't know what Project Dynamo was? I didn't either. Described as the "**Rosetta Stone for our industry**," it was and is an initiative to expand MasterFormat, UniFormat and Omniclass to link more efficiently with BIM and other digital structures. Currently in Stage 1, the goal is to develop classification as a service. Next steps are to move into augmented design, block-chain enabled trust and transparency, and end with integration into the **Internet of Construction Things**. It'll be exciting to watch this develop.
- Finally, do want to show off your love of CSI? You will have your chance soon when Institute launches an online store for purchase of **all levels of CSI swag**.

Overall, Institute has been busy creating greater value for members at the national level, resulting in a much more consistent user experience for all of us.

Board of Directors Meeting Minutes

[AUGUST 2019: PSC CSI Board Meeting Minutes](#)

pencil -

We found a beautiful set of Koh-I-Noor Rapidograph technical pens at a thrift store – Leta asked about the relation to India which I assured her was incidental. In the course of answering the question I found out some things I didn't know, some things kind of fascinating to an architect or artist.

KOH-I-NOOR HARDTMUTH is a Czech company founded in 1790 by Josef Hardtmuth to produce earthenware. 12 years later he patented Hardtmuth graphite lead. The “lead” name for graphite comes from a misidentification in Britain when the 1st deposits were found in the 16th century. Britain had the only supply of pure graphite. Hardtmuth and Frenchman Nicholas Jacques Conte independently discovered a way to mix graphite powder with clay and fire it in a kiln. It was still brittle so hollowed out sticks or sheep skin (and eventually 2 piece wooden casings) were used to protect it. The graphite to clay ratio determined softness. The 1st British pencils used pure graphite.

Hardtmuth coined the system of softness designation we know as “H”, “F” and “B”, for “Hardtmuth”, “Budejovice” (where the factory was located – also origin of the beer) and “Franz” (Hardtmuth – grandson of Josef). This was later adapted to H standing for “hardness” and B standing for “blackness” or “boldness”. Numbers were added for degree. Conte invented the number system which the US adapted, mainly for writing pencils. Hardtmuth named his pencils for the Koh-I-Noor diamond, intending an association by name of “best in the world”, but also because the company’s (superior Oriental) graphite came from Asiatic Siberia. The diamond’s name translates as “Mountain of Light” and was probably mined in Golconda, India from the Kollur mine. It weighs 105.6 carats and was owned by various factions until being ceded to Queen Victoria after the British conquest of the Punjab in 1849. Hardtmuth also began the tradition (in 1890) of painting pencils yellow, the color chosen from the Austrian flag. The Czech Republic was part of the Empire of Austria. Other manufacturers adopted the color to imply their product was as good as Koh-I-Noor.

pencil - 1350–1400; Middle English *pencil* < Middle French *pincel* << Latin *pēnicillus* painter's brush or pencil, diminutive of *pēniculus* little tail.

Figure 1: Pencil Hardness:

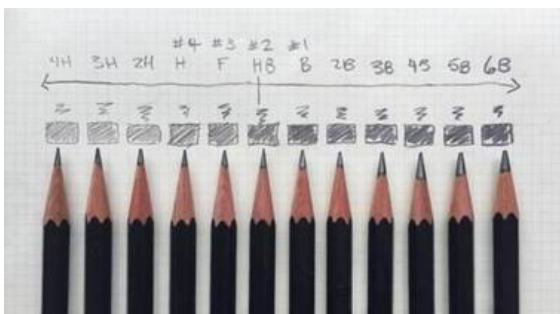


Figure 2: Apparatus used for the pencil hardness test:



Little known (even by Architects) is that the standard method for measuring the film hardness for paints and coatings is ASTM D3363-05 Standard Test Method

for Film Hardness by Pencil Test.

You can find a full description here:

https://www.astm.org/SNEWS/SEPTEMBER_2002/quevin_sept02.html, but the short version is that as early as 1925 the Dixon Crucible Company produced 17 different hardnesses of pencils and they began to be used to measure the hardness of paints and coatings. The ASTM test recognizes 6B to 6H. The process is started with the hardest pencil and continues down the scale of hardness to either of two end points; one, the pencil that will not cut into or gouge the film (pencil hardness), or two, the pencil that will not scratch the film (scratch hardness).

Chapter Leaders

BOARD MEMBERS

President: **Melissa Falcetti Balestri**, Applied Building Information
President-Elect: **April Stokesberry**, Duradek Northwest
Vice President: **Mary Ann Shepherd**, Applied Building Information
Secretary: **Erika Anderson**, Anderson Specialties
Treasurer: **Justin Bise**, MG2
Director: **Robert Temple**, Hafele America Co.
Director: **Susan Williams**, PPG Paints
Director: **Rudy Jarvis**, Hilti North America
Director: **David Landrey**, MASCO/Masons Supply Company
Past President: **Kevin Vaughn**, The Euclid Chemical Corporation

COMMITTEE LEADERS

Communications & Marketing Chair: **Lia Alia Wollard**, Applied Building Information
Education Chairs: **Mary Ann Shepherd** and **Melissa Falcetti Balestri**, Applied Building Information
Membership Chair: **Susan Williams**, PPG Paints
ProSpec Chair: **Julie Taylor**, Integrus Architecture

Affiliate Events

IIBEC International Institute of Building Consultants LIVE STREAMING OPPORTUNITIES

Topic: Roof Science and Technology

Speakers:

- Rick Cook, F-IIBEC RBEC, CCS, LEED, RRC, RWC, REWC, RRO, CSRP, SC ACEM
- Helene-Hardy-Pierce, F-IIBEC



CLASS 1: NOVEMBER 5-6, 2019

- 8:00 AM - 5:00 PM Pacific Time

CLASS 2: NOVEMBER 7-8, 2019

- 8:00 AM - 5:00 PM Pacific Time

[Click Here for More Information](#)

2019 ABAA Seattle Symposium

WEDNESDAY, NOVEMBER 6, 2019

- 8:30 AM - 3:30 PM
- Location: The Museum of Flight, 9404 E. Marginal

- [Click for More Information](#)



Seabec November Chapter Meeting

**Topic: Energy Code and the Building Envelope:
Recent and Upcoming Changes**

Speaker: Krishnan Gowri with Intertek

THURSDAY, NOVEMBER 21, 2019

- 5:00 PM - 7:00 PM
- Location: OAC Services, 2200 1st Ave S Ste 200, Seattle, WA 98134
- [Click for More Information](#)



Free for 2019 members.
\$10 for non-member attendance
is requested.

SAVE THE DATE!

**2020 CSI NW + W Bi-Region Conference
Hosted by the Willamette Valley Chapter of CSI**

**APRIL 15 - 18, 2020
SUNRIVER, OREGON**

Mark your calendars now to join us at the Sunriver Resort in Oregon for an exciting weekend of Education, Networking, Activities and Trade Show.

Hotel and Conference Registration Coming Soon!

