



## FROM PCI HEADQUARTERS

### Precast concrete sustainable plant program webinar now online

In December 2014, PCI and the Canadian Precast Prestressed Concrete Institute hosted a webinar that explained the North American Precast Concrete Sustainable Plant Program (NAPCSPP) in greater detail. The webinar is now available online under Sustainability Resources in the Members Only section of <http://www.pci.org>.

The webinar explained how NAPCSPP will work and why member participation is critical to the value of their product. The presenters covered the sustainable plant performance reports, sample data, and plant input data sheets, and performed a live demonstration.

### 2015 PCI EDUCATOR AWARDS CALL FOR NOMINATIONS

PCI's educator awards program recognizes the work of academic professionals who exhibit a commitment to precast/prestressed concrete in their graduate and undergraduate classrooms. Nominations must include recommendation letters, an updated curriculum vitae or resume, and additional information. PCI's Educational Activities Council recommends that members begin work on their nominations now to have enough time to prepare a thorough nomination packet. PCI Distinguished Educator and PCI Educator Awards are available. Nomination forms are available online under Awards Programs in the About PCI section of <http://www.pci.org> and will be accepted until July 1, 2015. For more information about the educator awards program contact Alex Morales, managing director of Education and Information, at [amorales@pci.org](mailto:amorales@pci.org).

#### PCI Distinguished Educator Award

The purpose of the PCI Distinguished Educator Award is to recognize the contributions of professional educators for a sustained period during their careers. Ideally, the award should be made to an educator just before consideration for promotion to full professor or to an educator who has demonstrated sustained educational contributions over a long period. This award is intended for full-time educators and is not appropriate for part-time or adjunct faculty. All nominees must be members of PCI.

The nominee should demonstrate sustained contributions to the educational mission of PCI. These contributions must include a demonstrated effect on the education of undergraduate, graduate, and/or continuing education students. Research contributions can be considered (as part of the PCI Educational Mission), but excellence in research alone is not a reason to present the PCI Distinguished Educator Award.

#### PCI Educator Award

This award is intended to recognize either a singular, truly significant contribution to education or early-career contributions. Although research contributions should be considered, the primary consideration should be on contributions to instruction (at all levels), student learning, and/or educational service. All nominees must be members of PCI.

## PCI FOUNDATION GETS RESULTS



Marty McIntyre  
Executive Director

One clever definition of insanity is “doing the same thing over and over again and expecting different results.”

A few years ago, PCI Foundation Trustees took this to heart and decided to do something different.

For many years, the precast/prestressed concrete industry relied on schools of architecture, engineering, and construction management to conduct education programs for us—with mixed results. A few schools have amazing programs that fully cover precast concrete design and construction and have brought our industry some outstanding talent. But at many schools the results had been lackluster or even nonexistent, and the effect that those schools had on our industry was not just disappointing, it was practically negative. The clients who needed to know the most about our products often left school knowing the least and sometimes nothing at all.

Today, the United States has more than 1000 schools of engineering and 400 schools of architecture. That is a lot of ground to cover and can seem overwhelming; however, I am proud of the way our industry has started to turn around how it approaches this challenge. Instead of saying, “It’s too big! It costs too much! It’s not our job!” the wonderful people in the precast concrete industry are saying, “Let’s get started! Let’s make something happen! And let’s get working!”

Even in the short time since our first grant was provided to the Illinois Institute of Technology in 2007, our industry is seeing educated, exciting professionals emerge. The students who go through a PCI Foundation–sponsored program remember our industry because we didn’t just write a check and hand off responsibility to the professors and the school. Local partners work with the schools and the students to create experiences and form bonds that the students will take beyond graduation. Those experiences will translate into wonderful things for our industry.

Sean Gowin, a student at the University of Southern California (USC), said it better than I could after he made a visit to Clark Pacific’s plant in Fontana, Calif.: “The Clark Pacific precast concrete visit counts among the most informative experiences within my time at USC. While many of my past studios and courses have emphasized ideas about materiality as well as the practical aspects of repeating elements, none have quite impressed me as much as the work I saw at Clark Pacific. This is due in no small part to how well the team at Clark Pacific was able to demonstrate how the architectural and structural benefits of precast concrete allow architects to create ambitious spaces with lower environmental impact, cost, and inconsistency than cast-in-place concrete. What stood out in particular was how precast concrete can be configured to gain a plurality of properties such as texture and color, which allow it to perform in a more versatile manner than many other materials.”

The PCI Foundation has its first programs off the ground and is making good progress. A small portion of our industry members have contributed funding and time to make our programs work. I love that competitors work together to ensure that students see the best of our industry. Regional directors are also taking time and making the effort to help this happen.

Now it is time for me to ask you: Are you ready to do something different?

Are you allowing a few members of your industry to shoulder the responsibility for the future of our industry, or are you standing up to lead—with your time, talent, and treasure?

We have done much and had many successes, but we could educate more future engineers and architects in precast/prestressed concrete if more members of our industry participated in the PCI Foundation’s efforts. Check out our programs on the website at <http://www.pci-foundation.org>. Then make a commitment to do something different and invest time, resources, and dollars to ensure a better-than-ever future for our industry. Call me at (708) 386-3715 or email me at [martymci@pci-foundation.org](mailto:martymci@pci-foundation.org) to make a donation or pledge.

## LEADERSHIP PCI CALL FOR NOMINATIONS

PCI’s flagship leadership program, established on the occasion of PCI’s 50th anniversary, is opening the nomination period for the next Leadership PCI class. Each year a class of about 12 outstanding individuals is selected from candidate nominations submitted by PCI member organizations. Each new class begins at the PCI Convention, during which class members take part in program initiation, committee meetings, and other convention activities. During the subsequent year, class members are committed to a program of development activities, culminating in a graduation ceremony at the subsequent convention.

The next class is a special class because it starts at our 2016 convention in conjunction with The Precast Show. Any PCI member organization can submit a candidate for Leadership PCI by completing and submitting an application, available in the Members Only section of <http://www.pci.org>. Applications are due by June 15, 2015.

The program fee is \$1500 per participant. By submitting a nomination form, the sponsor agrees to be billed the program fee should his or her candidate be accepted into the program. The program fee is due before the 2016 PCI Convention. If you have any questions about the program, contact Alex Morales at [amorales@pci.org](mailto:amorales@pci.org).

## SDSU wraps up design portion of collaborative design workflow project



Students who took part in the South Dakota State University Precast Studio built a scale model of a public space in a vacant lot called the Kansas Mall in Huron, S.Dak. *Courtesy of Federico Garcia Lammers.*

A collaborative design studio at South Dakota State University is funded in large part through a PCI Foundation grant, with assistance from Gage Brothers in Sioux Falls, S.Dak. Students designed the fabrication methods through which to explore the material properties of precast concrete. This exploration focused on “designing the construction” of a public space at a vacant Huron, S.Dak., lot called the Kansas Mall.

The studio is led by Federico Garcia Lammers, assistant professor, and Brian T. Rex, associate professor and department head, both of SDSU. This is the fifth in a series of five preprofessional architectural design studios that constitute the backbone of the curriculum in architectural studies. In this course, the students focus not only on understanding and fabricating the material, but also on looking at the design practice to create a real project from student designs. The best way to learn architecture is never “practicing practice” but learning specific techniques and concepts through focused instruction. The course is rooted in teaching principles of guided inquiry and questioning through intensive hands-on making.

The Kansas Mall is a vacant urban infill site linking Dakota Avenue and a public parking lot heavily used by movie theater patrons and downtown workers, visitors, and shoppers. The site is roughly 4000 ft<sup>2</sup> (370 m<sup>2</sup>), stretching 165 ft (50 m) from Dakota Avenue to the parking lot on Kansas Avenue. The focus of the design project is to create a series of public spaces that connect the ends of the site and provide ways of engaging with the historic buildings surrounding the site. The materiality of the project will combine the lowness of the prairie landscape with two precast concrete walls: a long wall and a tall wall. These precast concrete walls will be inscribed with a 1916 Sanborn Map of the city of Huron and will operate as a spatial and historical reference physically unfolded on the site.

—Marty McIntyre

## Krohn earns Certified Association Executive credential from ASAE



Jason J. Krohn

Jason J. Krohn, managing director of Technical Activities at PCI, has earned the Certified Association Executive (CAE) designation from the American Society of Association Executives (ASAE). The CAE is the highest professional credential in the association industry.

To be designated a CAE, an applicant must have a minimum of three years of experience with nonprofit organization management, complete a minimum of 100 hours of specialized professional development, pass an examination in association management, and pledge to uphold a code of ethics. To maintain the certification, individuals must undertake ongoing professional development and activities in association and nonprofit management. The CAE program is accredited by the National Commission for Certifying Agencies (NCCA).

—Source: ASAE

## Georgia/Carolinas PCI meeting scheduled for June in Hilton Head

Georgia/Carolinas PCI will host its annual meeting June 12 to 15 at the Sea Pines Resort and The Inn at Harbour Town on Hilton Head Island, S.C. The meeting will incorporate the annual business meeting, election of officers, industry presentations, and golf tournament. It is also a major networking event for Georgia/Carolinas PCI producer and associate/supplier members and their families.

More information is available at [http://www.gcpci.org/index.cfm/about/board\\_meeting](http://www.gcpci.org/index.cfm/about/board_meeting).

## PCI Mountain States becomes newest chapter

In February, the PCI Board of Directors approved a proposal to establish the newest PCI Chapter: PCI Mountain States. The new chapter includes Colorado, Idaho, Montana, and Utah, and its market support area includes Arizona, New Mexico, and Wyoming.

John Dobbs is the executive director for the chapter. For more information on the PCI Mountain States chapter, contact Dobbs at [john.e.dobbs@gmail.com](mailto:john.e.dobbs@gmail.com) or (303) 562-8685.

## Precast concrete panel connection seismic performance guide online

Shake-table testing of a five-story, full-scale building at the University of California, San Diego, has resulted in the creation of “Seismic Drift Compatibility of Architectural Precast Concrete Panels and Connections: A Design Guide for Engineers.” The top two stories of the building were clad with precast concrete panels. Recommendations in the guide address the three objectives of the project: analyzing the performance of sliding connections, flexing connections, and corner joints.

The guide is available at [http://www.pci.org/uploadedFiles/Siteroot/Design\\_Resources/Research\\_and\\_Development/\\_Related\\_Content/DPD\\_Compiled\\_Addendum.pdf](http://www.pci.org/uploadedFiles/Siteroot/Design_Resources/Research_and_Development/_Related_Content/DPD_Compiled_Addendum.pdf), and a video of the shake table testing is at <http://www.ucsd.tv/search-details.aspx?showID=21399>. Significant funding for this project was provided by the Charles Pankow Foundation.

## ICC-ES reissues evaluation report for PCI fire manual

The International Code Council Evaluation Service (ICC-ES) has reissued PCI’s evaluation report ESR-1997 for an additional two years, expiring in March 2017.

The evaluation report verifies that fire-resistance-rated precast/prestressed concrete construction may be designed using the third edition of *Design for Fire Resistance of Precast Prestressed Concrete*, MNL 124-11, as an alternative method to what is specified in IBC section 703.3 and UBC section 703.3.

The evaluation is in compliance with the following codes:

- 2006 International Building Code (IBC)
- 1997 Uniform Building Code (UBC)
- 2013 Abu Dhabi International Building Code (ADIBC)

This reissued report is available on the ICC-ES website at <http://www.icc-es.org>.

## Updated NEXT beam guidelines online at PCINE website

The updated Northeast Extreme Tee (NEXT) Beam Guidelines are now available for download on the PCI Northeast website at [http://pcine.org/index.cfm/resources/bridge/Northeast\\_Extreme\\_Tee\\_Beam](http://pcine.org/index.cfm/resources/bridge/Northeast_Extreme_Tee_Beam).

These guidelines are for NEXT F, D, and E beams. The guide includes section properties and design details.

## Second release of *PCI Bridge Design Manual* available online

The second release of the *PCI Bridge Design Manual*, third edition, is now available for download on the PCI fulfillment site.

Included with the original purchase and download of the third edition of the *PCI Bridge Design Manual* was an electronic notification of updates and free delivery of subsequent releases of material in the third edition. This delivery will be through a download of the new release on the PCI fulfillment site, and notification will be sent to the email address utilized during registration on the PCI fulfillment site.

This second release will only be provided as a download.





## USC Design Studio designs building for Joshua Tree National Park



A ranger at Joshua Tree National Park leads a group of students through the park as part of the precast studio at University of Southern California. *Courtesy of Douglas Noble.*



Plant tours, such as this one at Clark Pacific in Fontana, Calif., are an important component when universities work with local industry professionals to provide a hands-on learning opportunity for students in PCI Foundation-funded programs. *Courtesy of Douglas Noble.*

For the past two years, the University of Southern California (USC) School of Architecture has partnered with the PCI Foundation and PCI West to encourage increased education for future architects on the uses of precast concrete. The collaboration includes a design studio each spring, a symposium, and a number of smaller activities designed to expose the students to a range of the capabilities of precast concrete.

The studio has 12 students who competed for the opportunity to be in this elite group. The design project for the semester is a 40,000 ft<sup>2</sup> (3700 m<sup>2</sup>) building for Joshua Tree National Park. The current studio is just now getting under way, and there have already been introductory lectures by Doug Mooradian of PCI West and plant tours by Brad Williams at the Clark Pacific facilities in Fontana and Irwindale, Calif.

“I was especially impressed that the plant was able to fabricate a small building per week using their 30 decks,” says fourth-year student Wendy Lee. “With larger buildings it could take three to six months with reusable forms.”

The studio has been the most popular studio in the USC School of Architecture. The studio is hoping to expand to include hands-on construction of an actual full-size precast concrete project as a design-build effort for the community. Although the formal agreement between USC and the PCI Foundation ends with this studio, the collaboration has become strong and the precast concrete emphasis will live on in courses and studios. USC has master’s and doctoral students who are now focused on precast concrete, and the influence has pervaded the entire school.

“I appreciated the trip to the Clark Pacific precast plant,” says fourth-year studio student Kevin Takenaka. “There was a lot to learn and experience from both the presentations and the walk-through. I was surprised at not only the different variety of concrete finishes that they are able to fabricate but by the sheer size of the concrete panels and columns and the machines required to move these monolithic objects around. Overall the visit gave me a new understanding of how much effort goes into creating and transporting each unit and a better insight on how to apply these various methods and diverse look to my future designs.”

—Marty McIntyre

## Plants must register, provide data by June 30 for sustainable plant program

Only plants that participate in the North American Precast Concrete Sustainable Plant Program (NAPCSPP) and submit their 2014 data by the June 30, 2015, deadline will have their names listed on the industry environmental product declaration (EPD), allowing them to use the industry EPD to meet project requirements. The alternative is for plants to create their own EPD, which can cost \$100,000 or more. EPDs are valid for five years, so PCI strongly encourages members to take advantage of this opportunity. The next industry opportunity will not be for several years.

NAPCSPP is a joint initiative from members of PCI, the Canadian Precast Prestressed Concrete Institute (CPCI), and the National Precast Concrete Association (NPCA). This is a plant-based program designed to help PCI-certified plants better understand and reduce their environmental footprint as well as provide data for PCI's industry EPD. EPDs are product/industry-based reports that provide an overview of a product's environmental impact. Select programs and funding sources have started to encourage, and in some cases require, EPDs to be eligible to bid and secure projects. This trend is expected to continue.

NAPCSPP participants receive the following benefits:

- They will be listed on, and able to use, the industry EPD to meet project requirements.
- They will receive a copy of the annual industry benchmarking report.
- They will receive a confidential, plant-specific report that identifies areas for improvement and helps plants reduce their environmental footprint, which often reduces costs as well.

Additional information is in the Members Only portion of the PCI website at [www.pci.org](http://www.pci.org).

## Members to exhibit in Precast Pavilion at IPI 2015 Expo

PCI has partnered with the International Parking Institute (IPI) to offer PCI members the opportunity to gain exposure with parking professionals at the IPI 2015 Expo, June 29 to July 2, 2015. For the first time, IPI is creating a precast concrete pavilion for PCI members to exhibit in, which PCI will anchor. The show is in Las Vegas, Nev., and attracts parking owners and designers from all over the United States.

Some of the companies attending are Walker Parking Consultants, Carl Walker, Timothy Haahs, Thornton Tomasetti, Watry Design, Kimley-Horn and Associates, Desman Architects, and hundreds of municipal and university owners.

PCI plans to create a large high-performance precast concrete presence. The new parking-themed issue of *Ascent* will be in attendee registration bags, and PCI will conduct a bingo game that requires attendees to visit your booths. PCI will also be presenting two educational sessions on high-performance parking structures and will be promoting the third edition of *Parking Structures: Recommended Practice for Design and Construction*.

If interested in this opportunity, contact Brian Miller at [bmiller@pci.org](mailto:bmiller@pci.org).

## R&D forms Innovation Committee

The Research and Development Council has approved the formation of an Innovation Committee. The purpose of this committee is to identify new technologies that could help to advance the precast concrete industry.

As knowledge gaps are identified, recommendations will be made to the Research and Development Council for research to fill those gaps. The committee will have to balance market needs with idealistic technology advancements to work at the cutting edge, but with practical application.

Committee applications will be screened to attract members with a strong understanding of the industry who are open to change.

## Osgood promoted to senior manager of sales and membership



Kristin Osgood

Kirstin Osgood has been promoted to senior manager of Sales and Membership. She was most recently manager of Sales and Member Development.

In this expanded role, Osgood will continue to manage sales of PCI promotional opportunities, such as advertising and sponsorships, and will now also be responsible for managing day-to-day PCI membership activities and administration, including managing membership application and renewal, handling membership inquiries, and serving as liaison to the PCI Membership Committee. She will also focus on increasing member value and engagement, as well as growing PCI membership across all categories.

Osgood has a Bachelor of Arts from the University of Minnesota in Minneapolis and a Master of Public Administration from the University of Colorado in Denver. She joined PCI in September 2009 with 20 years of experience in sales and advocacy work and 7 years of association experience.

## PCI staff members accomplish personal goals

Kirstin Osgood, PCI's senior manager of Sales and Membership, developed the Meetloaf Project to help participants achieve personal goals with the support of others.

Meetloaf allows participants to set goals. Over the next six weeks, participants encourage, advise, and help one another achieve their respective goals.

The second group concluded this March, with participants achieving goals such as healthy eating habits, preparing for a wedding, getting more comfortable speaking in front of a group, writing a will, and decluttering a home office. In the process, participants not only accomplish things they weren't able to do on their own, but also develop relationships based on encouraging one another toward goals that matter to them. Often participants adopt each other's goals.

The project culminates with an awards ceremony at which each person is recognized for his or her accomplishments and contributions to the group.

"It promotes camaraderie and satisfaction much better than any team-building exercise I've seen," says Rachel Detwiler, who participated in both groups. "There's something deeply satisfying about accomplishing a goal that is important to me, and helping others accomplish something that's important to them builds positive relationships that continue long after the project is complete."

PCI formed its first Meetloaf Project team in May of 2014 and had six participants.



In the front row from left, Kirstin Osgood, senior manager of Sales and Membership; Megan Lanning, events manager; Tressa Park, senior designer; Rachel Detwiler, *PCI Journal* editor-in-chief; and Stephanie Corrigan, communications manager, hold up a portion of the Meetloaf project of Paul Grigonis (rear left), director of publishing and art direction. Jeff Appel (rear right) gave a presentation on Grigonis's photographs at a monthly staff meeting. *Courtesy of Megan Lanning.*


## Student projects available for viewing on PCI Foundation website

What happens after a student works hard on a project in a PCI Foundation program? In most cases, the student's creative work does not end when the semester ends. In the case of the PCI Foundation, students get more opportunities to showcase their work.

On the PCI Foundation website, there are a number of case studies of projects students have created in various programs—everything from a park ranger station at Joshua Tree National Park in California to a small passageway in Huron, S.Dak.

“By sharing these projects we hope to inspire other students working in our programs and also give credit to the students who have done the work,” says Marty McIntyre, executive director of the PCI Foundation. To see the case studies, go to <http://www.pci-foundation.org/index.cfm/case-studies/list>.

In addition to sharing case studies on the website, some students are invited to the PCI Convention to take part in a poster session. They meet students from all over the United States and have an opportunity to tell attendees about their projects and work in the studio. The next opportunity for students to present work in person will be during the March 2016 Precast Show in Nashville, Tenn.

—Marty McIntyre 

Compiled by K. Michelle Burgess ([mburgess@pci.org](mailto:mburgess@pci.org)) and Jennifer Peters ([jpeters@pci.org](mailto:jpeters@pci.org))

### PCI CALENDAR

#### Events

For the most current information on PCI events, visit <http://www.pci.org/events> or contact Megan Lanning at [events@pci.org](mailto:events@pci.org). For industry events, visit <http://www.pci.org/news/events>.

#### PCI Midwest Summer Meeting

Minneapolis-St. Paul, Minn.

June 2–3, 2015

#### Georgia/Carolinas PCI Annual Membership Meeting

Sea Pines Resort and The Inn at Harbour Town, Hilton Head Island, S.C.

June 12–15, 2015

#### 2015 PCI Summer Conference

Charleston, S.C.

June 25–28, 2015

#### PCI of Illinois and Wisconsin Summer Meeting and Golf Outing

Lake Geneva, Wis.

July 14–15, 2015

#### PCINE Annual Meeting

Saybrook Point, Old Saybrook, Conn.

September 14–15, 2015

#### 2015 PCI Fall Committee Days and Membership Conference

Louisville, Ky.

October 15–18, 2015

#### 2016 PCI Convention and National Bridge Conference at the Precast Show

Nashville, Tenn.

March 3–6, 2016

## PCI personnel training and certification schools

If you have any questions about the Quality Control School schedule or need help completing a registration form, please contact PCI's director of Education and Information Systems, Alex Morales, at [amorales@pci.org](mailto:amorales@pci.org) or (312) 360-3219. Registration forms are available at <http://www.pci.org/schools>.

Level I/II	May 12–14, 2015	Nashville, Tenn.
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