PCI Design Handbook eighth edition released

The eighth edition of the *PCI Design Handbook: Precast and Prestressed Concrete* is now available for purchase online at http://www.pci.org/bookstore. The *PCI Design Handbook* provides easy-to-follow design procedures, numerical examples, and new and updated design aids using *Building Code Requirements for Structural Concrete (ACI 318-14) and Commentary (ACI 318R-14)*, ASCE 7-10 *Minimum Design Loads for Buildings and Other Structures*, the *2015 International Building Code*, and other current industry standards.

"Whether you're a newcomer to precast design or a seasoned practitioner, the eighth edition *PCI Design Handbook* will not disappoint," says Tim Salmons, chair of the PCI Industry Handbook Committee. "It lives up to its reputation as the ultimate design authority for precast/prestressed concrete with comprehensive treatments for industry-specific challenges coupled with cutting-edge design techniques." The design information and recommendations contained in the eighth edition of the *PCI Design Handbook* are based on the latest research and a consensus of engineers in practice.

The eighth edition includes new and updated information on dapped-end bearing design and beam ledge design, the impact of ACI 318-14, a new disproportionate collapse appendix, a new diaphragm seismic design methodology appendix, a new blast design appendix, and more.

PCI joins Resiliency Council, promotes sustainability

PCI has joined the U.S. Resiliency Council (USRC), a national organization dedicated to improving rating systems that describe the sustainability and resiliency of buildings during earthquakes and other natural hazardous events.

PCI's sustainability and publications director, Emily Lorenz, will serve on USRC committees involved in developing building rating systems for blast and wind hazards. "The recent hurricanes intensified the spotlight on an issue that was already a major concern for community planners and leaders, owners, architects, engineers, and the public: the importance of resilient structures when it comes to resisting natural and man-made disasters and strengthening communities," says Bob Risser, PCI president and CEO. "We hope PCI's membership in USRC will provide an avenue for leveraging our staff's and member companies' deep technical expertise and help drive the necessary standards and rating systems to ensure maximum life safety in future building design and construction."

PCI producer member Clark Pacific recently designed a building to meet the USRC's platinum rating for projected building performance in a seismic event. The four-story Roseville City Hall Annex, in Roseville, Calif., was the first building to achieve a platinum rating under the USRC's system. The building used a precast concrete hybrid moment frame, a technology that Clark Pacific developed over 15 years that has the unique ability to self-right after a major seismic event, enabling immediate reoccupancy of the structure. The platinum rating is the highest rating from the USRC. It predicts the consequences of an earthquake on a building and projects the performance of the structure during the event, as well as the cost and time of structural recovery and repair.

"Our member companies have long been on the forefront of pushing the boundaries of durable-yet-beautiful building design," Risser says. "This membership and our involvement in USRC underscores our industry's commitment to continuing to drive the conversation around reasonable expectations for sustainable, resilient, and safe solutions in today's built environment."

Kesselmayer newest member of PCI quality programs team

Michael Kesselmayer

Michael Kesselmayer joined the PCI staff as managing director of quality programs November 16, 2017. As managing director, he will lead PCI's certification staff, serve as the staff liaison with the PCI Quality Activities Council, and help represent PCI and its certification programs with outside organizations, such as ASTM International and the American Association of State Highway and Transportation Officials community.

"I am thrilled to be part of the PCI team," Kesselmayer says. "It is exciting to be able to apply my background in quality within a well-respected organization where those programs are such an important focus for the membership, staff, and other industry stakeholders."

Kesselmayer spent 37 years with the testing and inspection firm Professional Service Industries (PSI), where he started as staff/project engineer in 1980. Most recently, he was as vice president in PSI's Arlington Heights, Ill., office, a position he held since 1990. He has more than 20 years of experience in developing, implementing, and ensuring compliance with quality and safety programs within the construction materials testing and inspection industry, including concrete materials testing, and has held leadership roles in ASTM Committees C09 Concrete and Concrete Aggregates and E36 Accreditation and Certification. He has served on the Executive Group of the Cement and Concrete Reference Laboratory and as chairman of the American Association for Laboratory Accreditation.

Kesselmayer received a bachelor of science degree in civil engineering from the University of Illinois at Champaign-Urbana. He is a licensed professional engineer in Illinois.

King promoted, named new marketing coordinator

Becky King

Becky King has been promoted to PCI's marketing coordinator. She started at PCI in October 2016 as marketing assistant. In this new role, she will coordinate the production and publication of *Ascent* magazine, manage the production and creation of all advertisements for PCI, provide support to all PCI marketing committees, and manage the PCI Design Awards.

King earned her bachelor of science degree in business management with minors in marketing and sociology from Elmhurst College in Elmhurst, Ill.

Clow added as web specialist

Nikole Clow

Nikole Clow was hired as PCI's web specialist September 18, 2017. She will be maintaining the PCI website and its content and assisting with building and maintaining PCI chapter microsites. Clow came to PCI in April 2015 to assist with social media and PCI's website.

Clow has an associate's degree in marketing and will be graduating from Benedictine University in Lisle, Ill., in May 2018 with a bachelor's degree in management.

Furie comes on at PCI as senior production specialist

Walt Furie

Walt Furie started as PCI's senior production specialist November 6, 2017. He is responsible for the layout, production, and design of PCI projects such as periodicals, manuals, postcards, brochures, guides, flyers, forms, and more, including production of *PCI Journal*, *ASPIRE*, and forms and internal documents for all areas of PCI in both print and digital formats.

2018–2019 Daniel P. Jenny Fellowship call for applications

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Several $35,000 awards for the 2018–2019 academic year will be offered under PCI's Daniel P. Jenny Fellowship program. These fellowships are intended primarily for support of candidates for master's degree–level research related to precast/prestressed concrete. PhD candidates will also be considered.

A recent change in the program allows for at least one fellowship to be awarded to a student with an untenured advising professor if such an application is submitted and is on a relevant topic and of good quality. Guidance for submittal ideas can be obtained from Richard Miller, PCI Research and Development Council chair, at richard.miller@uc.edu.

Also tied to the Jenny Fellowship program is the PCI Foundation's $4000 graduate scholarship in memory of Alan Mattock. A student may be selected from the group of fellowship awardees to enhance the benefit provided with the fellowship. Students interested in this award must provide additional information as outlined in the scholarship rules document.

Applications are due January 17, 2018. Complete information is available at https://www.pci.org/PCI/Resources/Research_and_Development/Daniel_P_Jenny_Fellowships/PCI/Design_Resources/Research_and_Development/Fellowships.aspx?hkey=5bf2d289-32f3-4142-925e-fe811d6f3477.

Furie has more than 25 years of experience in graphic and art design at companies including ABD BlackDot, Scott Foresman, Pearson Education, and Centerpoint Marketing.

Furie has a BFA in graphic design from Michigan State University in East Lansing.

PCI Foundation accepts new CSU proposal

The PCI Foundation recently accepted a new proposal for an education program from Colorado State University (CSU) in Fort Collins, Colo. Mohammed S. Hashem M. Mehany, assistant professor at CSU, will work with Rocky Mountain Prestress and Encon United in Denver, Colo., to create a group study course for construction management and engineering students on precast/prestressed concrete.

The course will be part of the "boot camp" program the school provides students in order to work closely with various industry groups. The program will be a five-week class that meets once a week and allows the students to earn one credit. The development of specialized boot-camp-style courses has been recognized as a successful method of immersing students in the latest technologies used by the construction industry.

The boot-camp courses give students exposure to state-of-the-art software and processes taught by industry experts currently using them in the field. These limited-size, five-week classes focus on identifying and understanding the current practices and applications of specific subject matter. As short-term group study courses, they are dynamic and can easily be adapted as the precast concrete industry evolves.

Leadership PCI to kick off next class at convention

The Leadership PCI Steering Committee, now reporting to the newly formed Membership Council, has selected the incoming 2018 Leadership PCI cohort. The committee welcomes Karen Marie Adams of TRC Worldwide Engineering; Thanh Do of the Consulting Engineers Group; Brandon Farley of EnCon Field Services; Sean Johnson of Insteel Wire Products; Sam Keske of Wiss, Janney, Estner Associates; Paul Kocke Jr. of Tindall Corp.; Jared Lester of Dura-Stress; Frank Maselli of the Consulting Engineers Group; Norman Moore of Tindall Corp.; Eric Rowits of High Concrete Group; Timothy Skiba of Kerkstra Precast; and Wade Thomson of Construction Products.

The 2018 class will begin with a kickoff meeting on February 24 at the 2018 PCI Convention and National Bridge Conference at the Precast Show in Denver, Colo.

Leadership PCI will also hold two boot camps, one in May in Memphis, Tenn., and one in December in Tucson, Ariz. PCI has partnered with The Patnaude Group to design a one-year leadership skill-building experience that Mike Renquist has facilitated for several years.

First Mertz Fellowship goes to Almohammedi

Ahmed Almohammedi

Ahmed Almohammedi has been named the first recipient of PCI's Dennis R. Mertz Bridge Research Fellowship. He was awarded the fellowship for "Implementation of Self-Consolidation Ultra-High Strength Concrete in Prestressed Concrete Girders." Almohammedi is with the University of Arkansas in Fayetteville, and the advising professor on the project is W. Micah Hale. Supporting producers are Coreslab Structures (ARK) Inc. and J. J. Ferguson Prestress-Precast Inc.

This fellowship was established in memory of Dennis Mertz, who was a professor at the University of Delaware and one of the principal investigators in the development of the American Association of State Highway and Transportation Officials' *AASHTO LRFD Bridge Design Specification*.

PCI to host *fib* Commission 6 at 2018 convention in Denver

PCI will be hosting members of *fib* (International Federation for Structural Concrete) Commission 6 (Prefabrication) and its semiannual meetings at the PCI Convention and National Bridge Conference at The Precast Show in February in Denver, Colo.

Members of *fib* represent precast concrete experts from all over the world. Three education sessions will include expert presenters who will discuss the precast concrete innovations being used in their countries. A full-day workshop will be conducted on opportunities for future codes and a discussion of the development of the *fib* Model Code 2020. A coordinating meeting will also take place to discuss future activities and relationships between the *fib* Presidium and the *fib* U.S. delegation. The U.S. delegation includes representatives from PCI, the Post-Tensioning Institute, the Portland Cement Association, and the American Segmental Bridge Institute.