

## PCI Announces 2005 Engineering Design Awards (Big Beam Contest)

At their meeting at PCI on August 2, 2005, the Student Education Judging Committee selected the Engineering Student Design Award (Big Beam Contest) winners. First place winners from each of the six PCI Zones, along with the International entries considered as Zone 7, competed for the Overall Championship. The Overall winners and Zonal winners, along with the associated PCI and CPCI Producers, are listed as follows:

### OVERALL CHAMPIONSHIP

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**First Place:** University of Nebraska (Team # 2) Omaha, Nebraska (Zone 3)  
**Faculty Advisor:** Maher K. Tadros  
**Student Team:** Michelle Berger, Nick Clinebell, Andy Flanagan and Ryan Grasse  
**PCI Producer:** Coreslab Structures, Omaha, Nebraska (Brian Peterson)  
**Award:** \$2000 along with other prizes  
(To be honored at the PCI Convention in Palm Springs)

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**Second Place:** Oregon State University (Team #2), Corvallis, Oregon (Zone 1)  
**Faculty Advisor:** Keith Kaufman  
**Student Team:** Nolen Lee, Jordan Pelphrey and Grahme Williams  
**PCI Producer:** Morse Bros., Inc., Harrisburg, Oregon (Pat Hynes)  
**Award:** \$1750 along with other prizes

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**Third Place:** University of Texas (Team #3), Austin, Texas (Zone 2)  
**Faculty Advisor:** Ozzie Bayrak  
**Student Team:** Gabriel Carrera, Guillermo Gonzalez, Thang Le, Luis Orozco and Sonia Solt  
**PCI Producer:** Coreslab Structures, Inc., Cedar Park, Texas (Bill Dougherty)  
**Award:** \$1500 along with other prizes

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**Fourth Place:** University of Calgary, Calgary, Alberta, Canada (Zone 7)  
**Faculty Advisor:** M. M. El-Badry  
**Student Team:** Hatem Ibrahim, Mohamed Sorour and Nora Ragab  
**PCI Producer:** Lafarge Canada Inc., Calgary, Alberta, Canada (Don Zakariasen)  
**Award:** \$1250 along with other prizes

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**Fifth Place:** University of Illinois at Urbana-Champaign (Team #1), Urbana, Illinois (Zone 4)  
**Faculty Advisor:** Daniel A. Kuchma  
**Student Team:** Ben Birch, Ryan Hopeman and Nathaniel Rende  
**PCI Producer:** Prestressed Engineering Corporation, Blackstone, Illinois (Terry Muntz)  
**Award:** \$1000 along with other prizes

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**Sixth Place:** Clarkson University, Potsdam, New York  
**Faculty Advisor:** Jubum Kim  
**Student Team:** Karl Bauer, Michael Fuchs and David Grey  
**PCI Producer:** Jefferson Concrete Corporation, Watertown, New York  
**Award:** \$1000 along with other prizes

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### ZONAL WINNERS

**Zone 1 Second Place:** Oregon State University, Corvallis, Oregon (Team #1)  
**Faculty Advisor:** Keith Kaufman  
**Student Team:** Boyan Dobrev, Mathew Smith, Luke Scoggins, Jess Strickland and Robert Erickson  
**PCI Producer:** Morse Bros., Inc., Prestress, Harrisburg, Oregon (Pat Hynes)  
**Award:** \$750 along with other prizes

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**Zone 1 Third Place:** California Polytechnic State University, San Luis Obispo, California (Team #2)  
**Faculty Advisor:** Dan Jansen  
**Student Team:** Charles Iacuanelli, Sean Kirby, Lynette Rotairo and Rodney Trujillo  
**PCI Producer:** None  
**Award:** \$500 along with other prizes

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**Zone 1 Fourth Place:** California Polytechnic State University, San Luis Obispo, California (Team #3)  
**Faculty Advisor:** Dan Jansen  
**Student Team:** Reed Gacho, Scott Uhles and Jeremy Vanderziel  
**PCI Producer:** None  
**Award:** \$250 along with other prizes

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**Zone 2 Second Place: University of Texas, Austin, Texas (Team #2)**

**Faculty Advisor:** Ozzie Bayrak

**Student Team:** David Birrcher, Erin Hlasta, Himanshu Khurana, Carrie Marr, Geoff Mitchell, Travis Richards and Robin Tuhscherer

**PCI Producer:** Coreslab Structures, Inc., Cedar Park, Texas (Bill Doughty)

**Award:** \$750 along with other prizes

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**Zone 2 Third Place: University of Texas, Austin, Texas (Team #1)**

**Faculty Advisor:** Ozzie Bayrak

**Student Team:** Puneet Agarwal, Mike Ahearn, Chris Cozart, Pete Dean, Sabrina Garber, Vatsal Gokani, Jake Kapitan, Alex Lang and Daniel Williams

**PCI Producer:** Coreslab Structures, Inc., Cedar Park, Texas (Bill Doughty)

**Award:** \$500 along with other prizes

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**Zone 2 Fourth Place: University of Wyoming, Laramie, Wyoming**

**Faculty Advisor:** Charles Dolan

**Student Team:** Eric Anderson, Jeremy Blubaugh, Dale Jones, Matt Olsen and Cody Parker

**PCI Producer:** Rocky Mountain Prestress, Denver, Colorado (Buddy Kirchmar)

**Award:** \$250 along with other prizes

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**Zone 3 Second Place: Iowa State University, Ames, Iowa (Team #1)**

**Faculty Advisor:** Sri Sritharan

**Student Team:** Aman Preet, Brian Degen, Matz Jungmann and Nicholas Williams

**PCI Producer:** Iowa Prestressed Concrete, Inc., Iowa Falls, Iowa (Fred Purdy)

**Award:** \$750 along with other prizes

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**Zone 3 Third Place: University of Nebraska, Omaha, Nebraska (Team #3)**

**Faculty Advisor:** Maher K. Tadros

**Student Team:** Lawrence Butler, Adam Christensen, Renee Day and Mary Renken

**PCI Producer:** Coreslab Structures, La Platte, Nebraska (Audra Lorimor)

**Award:** \$500 along with other prizes

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**Zone 3 Fourth Place:**

**Co-Winner #1: University of Missouri, Rolla, Missouri**

**Faculty Advisor:** John Myers

**Student Team:** Eric Bahr, Nathan Branham, Jared Brewe and Mike Lubiewski

**PCI Producer:** Coreslab Structures, Inc., Marshall, Missouri (Jim Myers)

**Award:** \$200 along with other prizes

**Co-Winner #2: South Dakota School of Mines & Technology, Rapid City, South Dakota (Team #1)**

**Faculty Advisor:** M. R. Hansen

**Student Team:** Brian Phillips and Travis Riedy

**PCI Producer:** Montana Prestressed Concrete (Corey Haeder)

**Award:** \$200 along with other prizes

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**Zone 4 Second Place: University of Illinois at Urbana-Champaign, Urbana, Illinois (Team #2)**

**Faculty Advisor:** Daniel A. Kuchma

**Student Team:** Kevin Hoene, Sarah Lowe, Ryan Morgan and Chul-Woo Chung

**PCI Producer:** Illinois Concrete Company, Inc., Champaign, Illinois (Michael Johnson)

**Award:** \$750 along with other prizes

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**Zone 4 Third Place: Ohio State University, Columbus, Ohio (Team #3)**

**Faculty Advisor:** Halil Sezen

**Student Team:** Jeff Zelek, Ho-Yin Yiu and Randy Kruger

**PCI Producer:** High Concrete Technology, Springboro, Ohio (Mark Fusani)

**Award:** \$500 along with other prizes

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**Zone 4 Fourth Place: Ohio University, Athens, Ohio**

**Faculty Advisor:** Eric P. Steinberg

**Student Team:** Eric Reed, Matt Hunkler, Joshua Booher, Andrew Wargo, Rob Kish, Pete Moran, Steve Busam and Blake Brown

**PCI Producer:** Carr Concrete Corporation, Waverly, West Virginia (David Dunbarger)

**Award:** \$250 along with other prizes

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**Zone 5 Second Place: United States Military Academy, West Point, New York**

**Faculty Advisor:** LTC Fred Meyer

**Student Team:** Cadet Mathew McCullough and Cadet Jin Wang

**PCI Producer:** Oldcastle Precast, South Bethlehem, New York

**Award:** \$750 along with other prizes

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**Zone 5 Third Place:** Virginia Polytechnic Institute, Blacksburg, Virginia  
**Faculty Advisor:** Carin Roberts-Wollman and Tommy Cousins  
**Student Team:** Sheetal Bhatt, Chris Ursery, Vivek Sethi, Malav Vani and Gregory Williamson  
**PCI Producer:** Tindall Corporation, Petersburg, Virginia (Jeffrey Lephard)  
**Award:** \$500 along with other prizes

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**Zone 6:** No Entry

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**Zone 7 Second Place:** Dalhousie University, Halifax, Nova Scotia, Canada  
**Faculty Advisor:** John Newhook  
**Student Team:** Mark Bouter and James Miller  
**CPCI Producer:** Stresscon Limited Bedford, Nova Scotia, Canada (Andrew Levatte)  
**Award:** \$750 along with other prizes

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**Zone 7 Third Place:** University of Manitoba, Winnipeg, Manitoba, Canada  
**Faculty Advisor:** Catalin Gheorghiu  
**Student Team:** Ccee Chan, Yang Liu and Jeremy Walker  
**CPCI Producer:** Lafarge Canada Inc., Winnipeg, Manitoba, Canada (Ifan Lim)  
**Award:** \$500 along with other prizes

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**Zone 7 Fourth Place:** University of Western Ontario, London, Ontario, Canada  
**Faculty Advisor:** Maged Youssef  
**Student Team:** Tom Greenough, Daniel Barber, Mohamed Bassuoni, Allen Chen, Johnny Huen, Allan Garnham and Gregory Stokkermans  
**CPCI Producer:** Prestressed Systems Inc., Windsor, Ontario, Canada (Phil Wiedemann)  
**Award:** \$250 along with other prizes

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**Best Report Winner:** Oregon State University, Corvallis, Oregon (Team #1)  
**Faculty Advisor:** Keith Kaufman  
**Student Team:** Boyan Dobrev, Mathew Smith, Luke Scoggins, Jess Strickland and Robert Erickson  
**PCI Producer:** Morse Bros., Inc., Prestress, Harrisburg, Oregon (Pat Hynes)  
**Award:** \$500 along with other prizes

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The Big Beam Contest is organized by PCI's Student Education Committee (**Pat Hynes, Chair**) and sponsored by Sika Corporation. The objective is for teams of students to fabricate and test a precast, prestressed concrete beam with the help of local PCI producer members. Prizes are awarded for the most efficient design, highest load capacity, best report, and other categories.

Applications for the 2006 Big Beam Contest are due at PCI by **March 15, 2006**, and test reports by **June 15, 2006**.

For additional information on this program, contact PCI Research Director **Paul Johal** at (312) 360-3213; E-mail: [pjohal@pci.org](mailto:pjohal@pci.org).