

PCI Announces 2011 Big Beam Contest Winners

The Student Education Judging Committee recently selected the winners of the Engineering Student Design Award, also known as the Big Beam Contest. First-place winners from each of the six PCI zones, along with the international entries considered as zone 7, competed for the overall championship.

PCI's Student Education Committee (Dr. Richard Miller, Chair) organizes the Big Beam Contest, sponsored by SIKA corp. The objective is for teams of students to fabricate and test a precast, prestressed concrete beam with the help of local precast concrete Producer Members. Prizes are awarded in consideration of efficient design, highest load capacity, and other categories.

The first-place winner in each zone enters the national competition. The overall winners and zonal results are listed below.

National Competition

First place: Oregon State University; Corvallis, Ore. (Zone 1)

Faculty advisor: Keith Kaufman, PhD, P.E.

PCI producer: Knife River Corp., Harrisburg, Ore. (Keith Kaufman)

Student team: David Linton, Tony Hafner, Landon Harman, and Skyler Warner

Award: \$2000 and other prizes

Second place: University of South Florida Team 1; Tampa, Fla. (Zone 6)

Faculty advisor: Rajan Sen, PhD, P.E.

PCI producer: Standard Concrete Products Inc., Tampa, Fla. (John Robertson)

Student team: Yanko Castellanos, Matthew Durshimer, Kevin Johnson, Joseph Ross, Gary Spicer, and Kyle Yeasting

Award: \$1750

Third place: University of Notre Dame; South Bend, Ind. (Zone 4)

Faculty advisor: Yahya Kurama, PhD, P.E.

PCI producer: Strescore Inc., South Bend, Ind. (John Reihl)

Student team: George Barry Campion, Jackie Corey, Ben Keller, Jacob Mangum, Mike Payne, Eli Reichenbach, Kathy Steiner, Sally Williams, and Brian Wysocki

Award: \$1500

Fourth place: Norwich University; Northfield, Vt. (Zone 5)

Faculty advisor: Edwin Schmeckpeper, PhD, P.E.

PCI producer: JP Carrera & Sons Inc., Middlebury, Vt. (Benjamin Cota)

Student team: Daniel Gosselin, E.I.T, Nicola Suren, E.I.T, Logan Bessette, Austin Brochetti, and Seth Knihtila

Award: \$1250

National Competition (cont.)

Fifth place: University of Texas–Austin; Austin, Tex. (Zone 2)

Faculty advisor: Oguzhan “Ozzie” Bayrak, PhD

PCI producer: Coreslab Structures Inc. (Texas), Cedar Park, Tex. (Bill Doughty)

Student team: Nick David, Ashley Dumais, Karla Kruse, Joshua Ramirez, Nickie Ramm, Katie Schmidt, Zack Stutts, David Wald, and Jordan Woodson

Award: \$1000

Sixth place: University of Kansas—Team 2; Lawrence, Kans. (Zone 3)

Faculty advisor: Bob Lyon

PCI producer: Coreslab Structures Inc., Kansas City, Kans. (Mark Simpson)

Student team: Lauren Braun, David Green, Curtis O’Hearn, and Steven Thomas

Award: \$1000

Seventh place: University of Windsor; ON, Canada (Zone 7)

Faculty advisor: Shaohong Cheng, PhD

PCI producer: Prestressed Solutions Inc., Windsor ON (Nebojsa Mladenovic)

Student team: Ryan Abbott, Ryan Hunt, Kevin Turley, and Emily Wall

Award: \$1000

Zone 1

First place: Oregon State University; Corvallis, Ore.

Faculty advisor: Keith Kaufman, PhD, P.E.

PCI producer: Knife River Corp., Harrisburg, Ore. (Keith Kaufman)

Student team: David Linton, Tony Hafner, Landon Harman, and Skyler Warner

Award: \$2000 and other prizes

Second place: No award

Third place: No award

Zone 2

First place: University of Texas–Austin (Team 1); Austin, Tex.

Faculty advisor: Oguzhan “Ozzie” Bayrak, PhD

PCI producer: Coreslab Structures Inc. (Texas), Cedar Park, Tex. (Bill Doughty)

Student team: Nick David, Ashley Dumais, Karla Kruse, Joshua Ramirez, Nickie Ramm, Katie Schmidt, Zack Stutts, David Wald, and Jordan Woodson

Award: \$1000

Zone 2 (cont.)

Second place: University of Texas–Austin (Team 2); Austin, Tex.

Faculty advisor: Oguzhan “Ozzie” Bayrak, PhD

PCI producer: Coreslab Structures Inc. (Texas) (Bill Doughty)

Student team: Steven Blair, Gloriana Martinez, Jaime Hernandez, Amir Reza Ghiami Azad, Saleh Alogla, Matthew Homer, Nima Mubasher, and Andres Jasso

Award: \$750

Third place: University of Oklahoma; Norman, Okla.

Faculty advisor: Thomas Kang, PhD, P.E.

PCI producer: Coreslab Structures (OKLA) Inc. (Michael Daly)

Student team: Amy Hufnagel, Chris Hill, Moustapha Ary, and Colin Osborne

Award: \$500

Fourth place: Brigham Young University; Provo, Utah

Faculty advisor: W. Spencer Guthrie, PhD

PCI producer: Hanson Structural Precast (Jim McGuire)

Student team: Alex Debirk, Bryce Albrecht, Jason Hirschi, and Samuel Thompson

Fifth place: University of Texas–Austin (Team 3); Austin, Tex.

Faculty advisor: Oguzhan “Ozzie” Bayrak, PhD

PCI producer: Coreslab Structures Inc. (Texas), Cedar Park, Tex. (Bill Doughty)

Student team: Jose Garcia, Umid Azimov, Matt Reichenbach, Joe Blok, Sameer Setiya, Brian Hanson, Kevin Moyer, and Trang Nguyen

Zone 3

First place: University of Kansas—Team 2; Lawrence, Kans.

Faculty advisor: Bob Lyon

PCI producer: Coreslab Structures Inc., Kansas City, Kans. (Mark Simpson)

Student team: Lauren Braun, David Green, Curtis O’Hearn, and Steven Thomas

Award: \$1000

Second place: University of Kansas—Team 1; Lawrence, Kans.

Faculty advisor: Bob Lyon

PCI producer: Coreslab Structures Inc., Kansas City, Kans. (Mark Simpson)

Student team: Todd Whelan, Barb Simpson, and Darren Conboy

Award: \$750

Zone 3 (cont.)

Third place: University of Kansas—Team 3; Lawrence, Kans.

Faculty advisor: Bob Lyon

PCI producer: Coreslab Structures Inc., Kansas City, Kans. (Mark Simpson)

Student team: Daniel Foiles, Kelsy Brunetto, Max Ellenbecker, and Allie Bloxdorf

Award: \$500

Fourth place: University of Nebraska; Lincoln, Neb.

Faculty advisor: George Morcous, PhD, P.Eng., P.E.

PCI producer: Coreslab Structures (Omaha) Inc. (Andy Flanagan)

Student team: Eliya Henin, Afshin Hatami, Jenne Hansen, Ibrahim Lotfy, and Yaohua Deng

Fifth place: South Dakota School of Mines and Technology—Team 1; Rapid City, S.Dak.

Faculty advisor: M. R. Hansen, PhD, P.E., S.E.

PCI producer: Gage Bros. (Chris Baer)

Student team: Kyle Turpin, Shawn Lyons, Lucas Fried, Jesse Morris, R. C. Scull, Brent Cass, and Gerald Bollinger

Sixth place: South Dakota School of Mines and Technology—Team 2; Rapid City, S.Dak.

Faculty advisor: M. R. Hansen, PhD, P.E., S.E.

PCI producer: Gage Bros. (Chris Baer)

Student team: John Fairchild, Paul Kroft, Brett Belzer, Kaz Kunishige, Karen Schaefers, and Shelsi Pyer

Zone 4

First place: University of Notre Dame; South Bend, Ind.

Faculty advisor: Yahya Kurama, PhD, P.E.

PCI producer: Strescore Inc, South Bend, Ind. (John Reihl)

Student team: George Barry Campion, Jackie Corey, Ben Keller, Jacob Mangum, Mike Payne, Eli Reichenbach, Kathy Steiner, Sally Williams, and Brian Wysocki

Award: \$1500

Second place: Rose-Hulman Institute of Technology; Terre Haute, Ind.

Faculty advisor: Jim Hanson, PhD, P.E.

PCI producer: Coreslab Structures Inc. (Michael Owings)

Student team: Tim Boyer, Matt Busscher, Christian Hidden, Jessica Muhlenkamp, Steve Procter, Molly Richardson, Josh Sizemore, and Michael Voll

Award: \$750

Third place: No award

Zone 5

First place: Norwich University; Northfield, Vt.

Faculty advisor: Edwin Schmeckpeper, PhD, P.E.

PCI producer: JP Carrera & Sons Inc., Middlebury, Vt. (Benjamin Cota)

Student team: Daniel Gosselin, E.I.T, Nicola Suren, E.I.T, Logan Bessette, Austin Brochetti, and Seth Knihtila

Award: \$1250

Second place: Lehigh University; Lehigh, Pa.

Faculty advisor: Clay Naito, PhD, P.E.

PCI producer: Northeast Prestressed Products (Michael Ridge)

Student team: Xiang Li, Benjin Zhu, Feng Shi, and Mohamed Soliman

Award: \$750

Third place (tie): Tufts University; Medford, Mass.

Faculty advisor: Professor Brian Brenner

PCI producer: Oldcastle Precast—Rotondo Precast (Bill Evans)

Student team: Bennett Earle, Chris Frano, Laila Gudrais, Meghan Pesch, and Trevor Sanders

Award: \$500

Third place (tie): Lehigh University; Lehigh, Pa.

Faculty advisor: Clay Naito, PhD, P.E.

PCI producer: Northeast Prestressed Products (Michael Ridge)

Student team: Matthew Young, Kyle Sidle, Newt Rogers, and Ernest Maiteri

Award: \$500

Fifth place: University of Hartford; West Hartford, Conn.

Faculty advisor: Brian Swartz, PhD

PCI producer: Coreslab Structures (Robert Del Vento)

Student team: Thomas Loveless, Mike Savino, and Jonas Hampton

Sixth place: Clarkson University; Potsdam, N.Y.

Faculty advisor: Levon Minnetyan, PhD

PCI producer: Jefferson Concrete (Mark Losee)

Student team: Brandon Kelsey, Steve Brinduk, Kenny Howe, and Bradley Kelsey

Zone 6

First place: University of South Florida Team 1; Tampa, Fla.

Faculty advisor: Rajan Sen, PhD, P.E.

PCI producer: Standard Concrete Products Inc., Tampa, Fla. (John Robertson)

Student team: Yanko Castellanos, Matthew Durshimer, Kevin Johnson, Joseph Ross, Gary Spicer, and Kyle Yeasting

Award: \$1750

Second place: University of South Florida Team 2; Tampa, Fla.

Faculty advisor: Rajan Sen, PhD, P.E.

PCI producer: Standard Concrete Products Inc., Tampa, Fla. (John Robertson)

Student team: Nick Green, Angelica Osorio, David Bissessar, Joseph Guagliardo, and Virgil Versaggi

Award: \$750

Third place: University of Arkansas; Fayetteville, Ark.

Faculty advisor: Micah Hale, PhD

PCI producer: Coreslab Structures (ARK) Inc. (Greg Poirier)

Student team: Bradley Brown, Adam Osweiler, Joel Skinner, Daniel Morgan, and Javier Torres-Goitia

Award: \$500

Fourth place: University of Arkansas; Fayetteville, Ark.

Faculty advisor: Micah Hale, PhD

PCI producer: Coreslab Structures (ARK) Inc. (Greg Poirier)

Student team: Royce Floyd, Emerson John, Tim Wank, Jared Bymaster, and Ryan Maestri

Fifth place: University of Arkansas; Fayetteville, Ark.

Faculty advisor: Micah Hale, PhD

PCI producer: Coreslab Structures (ARK) Inc. (Greg Poirier)

Student team: Jason Herrman, Steve Turnbaugh, Corey Galloway, Alberto Ramirez, and Daniel Kile

Zone 7

First place: University of Windsor; Windsor, ON, Canada

Faculty advisor: Shaohong Cheng, PhD, P.E.

PCI producer: Prestressed Solutions Inc. (Nebojsa Mladenovic)

Student team: Ryan Abbott, Ryan Hunt, Kevin Turley, and Emily Wall

Award: \$1000

Zone 7 (cont.)

Second place: Fanshawe College—Team 3; London, ON, Canada

Faculty advisor: Dr. Soloman Asantey, Prof. Amneh Kalloush

PCI producer: The Prestressed Group (PSI) (Nebojsa Mladenovic)

Student team: Katherine Hemstock, Casey Depapp-Clarke, Michael Bucci, Robinson Puche, and Graham Sheffield-Grevstad

Award: \$750

Third place: Red River College; Winnipeg, MB, Canada

Faculty advisor: Bahman Noruziaan, PhD

PCI producer: Conforce/Armtex (Walter Meadus)

Student team: Daniel Radulescu, Clint Davila, and Ian Skelly

Fourth place: Fanshawe College—Team 1; London, ON, Canada

Faculty advisor: Dr. Soloman Asantey, Prof. Amneh Kalloush

PCI producer: The Prestressed Group (PSI) (Nebojsa Mladenovic)

Student team: Catalin Ivanov, Ihab Al Masri, and Siawash Abdul Hadi

Fifth place: Fanshawe College—Team 2; London, ON, Canada

Faculty advisor: Dr. Soloman Asantey, Prof. Amneh Kalloush

PCI producer: The Prestressed Group (PSI) (Nebojsa Mladenovic)

Student team: Nora Fleming, Candice Perks, and Andrew Somers

Sixth place: University of Western Ontario; London, ON, Canada

Faculty advisor: Maged Youssef, PhD, P.E.

PCI producer: The Prestressed Group (PSI) (Nebojsa Mladenovic)

Student team: Amanda Waldick, Graeme Johnston, and Ryan Tang

Best Report

Best Report: University of South Florida Team 2; Tampa, Fla.

Faculty advisor: Rajan Sen, PhD, P.E.

PCI producer: Standard Concrete Products Inc., Tampa, Fla. (John Robertson)

Student team: Nick Green, Angelica Osorio, David Bissessar, Joseph Guagliardo, and Virgil Versaggi

Award: \$750



Best Video

Best Video: University of Western Ontario; London, ON, Canada

Faculty advisor: Maged Youssef, PhD, P.E.

PCI producer: The Prestressed Group (PSI) (Nebojsa Mladenovic)

Student team: Amanda Waldick, Graeme Johnston, and Ryan Tang

Award: \$750

Congratulations to all of the 2011 winners! Applications for the 2012 Big Beam Contest are available from PCI. For information on this program, contact Alex Morales at (312) 360-3219 or amorales@pci.org.