

President

Robert T. Gorski, PE
HDR Engineering, Inc.
8550 West Bryn Mawr Avenue
Suite 900
Chicago, IL 60631
(773) 380-7951

Past President

P. Kay Whitlock, PE, D. WRE
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road, Suite 600
Rosemont, IL 60018
(847) 823-0500

President-Elect

Christopher J. King, PE, SE
Robinson Engineering, Ltd.
17000 South Park Ave.
South Holland, IL 60473
(708) 210-5680

Secretary

William Cussen, P.E.
Haeger Engineering, LLC
1300 North Plum Grove Road
Schaumburg, IL 60173
(847) 230-3155

Treasurer

Darren Olson, PE
Christopher B. Burke Engineering, Ltd.
9575 West Higgins Road, Suite 600
Rosemont, IL 60018
(847) 823-0500

Directors to 2009

Lou Arrigoni, PE
(847) 640-3077
Krishna Reddy, Ph.D., PE
(312) 996-4755
Dipal Vimiwala, PE
(312) 373-6625

Directors to 2010

Thera A. Baldauf, PE
(312) 831-3406
Patrick M. Lach, PE
(773)792.8510 x12
Bryan Luke, PE
(847) 823-0500

Chair, Geotechnical Group

Gary Goodheart, PE
Patrick Engineering, Inc.
4970 Varsity Drive
Lisle, IL 60532
(630) 975-7225

Chair, Structural Group

Zaida Morillo, PE
Parsons Brinckerhoff
230 W. Monroe Street, Suite 900
Chicago, IL 60606-4701
(312) 803-6523

Chair, Environmental Engineering & Water Resources Group

Graig B. Neville, PE
Manhard Consulting LTD
2050-50 Finley Road
Lombard, IL 60148
(630) 925-1201

Chair, Urban Planning & Development Group

Erik Olson, PE
Bollinger, Lach & Associates, Inc.
2100 Huntington Drive North
Suite A
Algonquin, IL 60102
(847) 854-7799

Chair, Transportation Group

Srikanth Panguluri, PE
CH2MHill
8501 West Higgins Road
Suite 300
Chicago, IL 60631
(773) 693-3800

Chair, Younger Member Group

James Reisert, EI
Strand Associates, Inc.
1170 Houbolt Road,
Joliet, IL 60431
(815) 744-4200

ILLINOIS SECTION AMERICAN SOCIETY OF CIVIL ENGINEERS

444 North Michigan Avenue, 12th Floor #429 * CHICAGO, IL 60611

Phone * (312) 283-5351

EMAIL: Barb@isasce.org * WEBSITE: <http://www.isasce.org>



ASCE ILLINOIS SECTION STRUCTURAL GROUP NOVEMBER DINNER MEETING

The Hybrid-Composite Beam

John Hillman, P.E., S.E.
Senior Associate
Teng & Associates, Inc.

Abstract:

This presentation focuses on the development and commercialization of hybrid-composite beam (HCB) technology. The presentation discusses manufacturing, design and construction of HCB's, which are structural members that combine fiber reinforced plastics with concrete and steel to produce an innovative alternative to conventional bridge framing members. The HCB provides a sustainable bridge alternative that is lighter, stronger and more corrosion resistant than concrete and steel beams. In addition to a brief overview of the HCB technology, recent developments regarding testing and implementation will be discussed as well as the ongoing endurance testing of the world's first composite railroad bridge.

Speaker:

Mr. Hillman received a B.S.C.E. from the University of Tennessee in 1986 and an M.S.C.E. from Virginia Tech in 1990. While at Virginia Tech, Mr. Hillman helped develop lightweight floor systems with Dr. Murray. After leaving VT, Mr. Hillman took a position with VSL where he oversaw the construction of an incrementally launched bridge in Puerto Rico. Mr. Hillman has been employed as a structural engineer in the inspection, construction and design of unique bridges for over 23 years. Mr. Hillman's pursuit in developing hybrid-composite structures is driven by a desire to perpetuate innovation in structural engineering through unique applications derived from combining different building materials. Mr. Hillman is currently a Senior Associate with Teng & Associates, Inc., Chicago, IL and founder and President of HC Bridge Company, LLC.

Date & Time: Tuesday, November 17, 2009
Cocktails at 5:30 pm; Dinner at 6:00 pm
Presentation following dinner

Location: Pazzo's
311 South Wacker Drive
Chicago, IL 60606
Self-service parking is available south of the building for \$10

Cost: \$40 (\$20 for fulltime students) – RSVP on or before November 13, 2009
\$45 – without/late RSVP
Make checks payable to ASCE Structural Group

RSVP: Victor E. Van Santen, victor.vansanten@hdrinc.com, (773) 380-7966