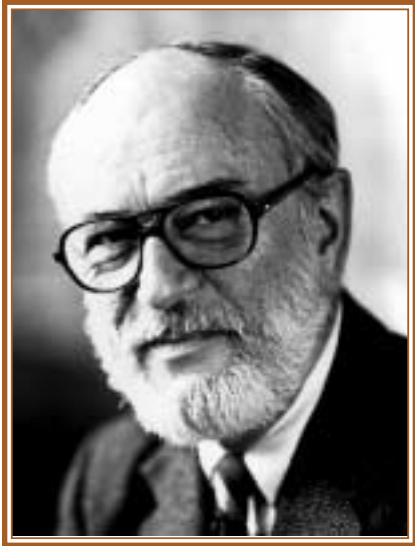
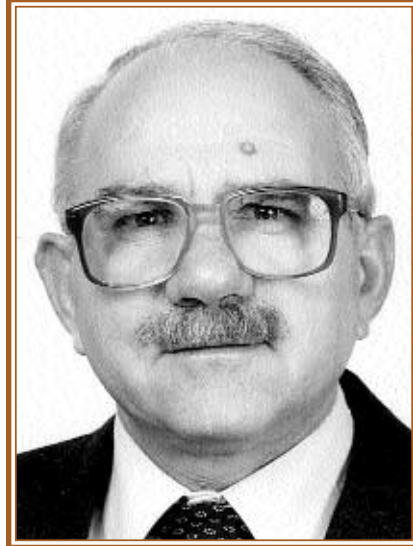


LEMESSURIER, GALAMBOS WIN TOP STEEL AWARDS



William J. LeMessurier



Theodore V. Galambos

WILLIAM J. LEMESSURIER HAS BEEN AWARDED THE PRESTIGIOUS J. Lloyd Kimbrough Award, while Theodore V. Galambos has been honored with the Geerhard Haaijer Educator Award.

The J. Lloyd Kimbrough Award, named for AISC's first President, honors engineers and architects who are universally recognized as the pre-eminent steel designers of their era. This prestigious award is presented to an individual who has made an outstanding contribution to the structural steel industry through his or her design work. Former recipients include Fazlur Khan and Robert Moses.

The Geerhard Haaijer Educator Award is given in special recognition to individuals who have had a profound and lasting impact in developing a unique application for engineering practice or in the mentoring of future technical leaders. Named for one of AISC's most respected vice presidents, this new award honors those who,

through their research and teaching, have had an outstanding impact on advancing the use of structural steel framing in the construction industry.

DEVELOPED STAGGERED TRUSS SYSTEM

LeMessurier, Chairman Emeritus at LeMessurier Consultants, Inc., in Cambridge, MA, is well known for his tremendous portfolio of innovative projects, including the 914'-high Citicorp Center in New York City. In addition, he is recognized as a leader in developing and using new and innovative technology.

"Bill was one of the pre-eminent structural engineers of his era. In addition to his innovative design work, he also was a long-time member and contributor on frame stability to the AISC Committee on Specifications," said Nestor Iwankiw, AISC's Vice President of Engineering and Research and a member of the AISC Designer

Awards Committee. Other members of the committee included: Trailer Martin, president of John A. Martin & Assoc. in Los Angeles; Robert E. Owen, chairman of Paxton & Vierling Steel Co. in Omaha; John M. Kulicki, chief engineer at Modjeski & Masters, Inc. in Harrisburg, PA; Steve Punch, manager of structural engineering at HDR, Inc., in Dallas; and Scott Melnick, Editor of *Modern Steel Construction* magazine.

One of LeMessurier's most profound breakthroughs was with his work on the staggered truss system. "The staggered truss system came about due to sponsored research at MIT in the 1960s by U.S. Steel," he recalled during a 1993 interview with *MSC*. "Everyone thought you couldn't achieve the same floor-to-floor height with steel as you could with flat plate concrete. [However,] we weren't satisfied to simply match concrete's floor-to-floor height, we wanted to beat them." The solution was to stagger trusses on a 12' module, meaning that on any given floor the trusses were 24' apart. "An added benefit was that we discovered the system worked fantastically for wind—no bending moment at all!"

The system was presented at the 1966 AISC Conference (the predecessor to the current North American Steel Construction Conference) and has since been used with great success on a number of hotels, ranging from LeMessurier's late 1970s Lafayette Place Hotel in Boston to the Aladdin Hotel currently under construction in Las Vegas (which will be the topic of a paper presented at this year's NASCC in Toronto, May 19-22).

LeMessurier also was instru-

News Briefs....



Citicorp Center (photo courtesy of The Stubbins Associates, Inc.)

mental in the development of tuned mass damping systems for stabilizing tall buildings. Essentially, the system involves suspending a dashpot on a spring connected to a large mass, which would then absorb energy and limit building movement. One of the first buildings to utilize the new system was the Citicorp Center tower, a project which LeMessurier has agreed to discuss as part of a talk Friday morning at the North American Steel Construction Conference (to receive more information, call 312/670-5407 or see AISC's web site at www.aisc.org).

FATHER OF LRFD

Galambos, Emeritus Professor of Structural Engineering at the University of Minnesota, is highly regarded as a teacher, researcher and author. His field of expertise encompasses structural stability and structural reliability and he has had a leading role in the development of AISC, AISI, SJI and ASCE-7 Standards. Among

his better known books are: "Structural Members and Frames," and "Basic Steel Design with LRFD."

But of all his contributions, one clearly stands out: His work on the development of the 1986 AISC-LRFD Specification, for which he also won a T.R. Higgins award in 1981. For his work championing limit states design, Galambos is often affectionately referred to as "the father of LRFD."

In addition to the numerous AISC and ASCE committees that Galambos has served on over the years, he is a member of the North American Coordinating Committee on Structural Steel Design. As such, he will present a paper comparing U.S., Canadian and Mexican steel design practices at this year's NASCC.

Members of the Educator Awards Committee included: Reidar Bjorhovde, former professor at University of Pittsburgh and now president of The Bjorhovde Group in Tucson; Charles W. Roeder, professor at the University of Washington in Seattle; William T. Sequi, professor at University of Memphis; Ora A. Winzenried, Jr., president, Kenton Structural & Ornamental Iron Works, Inc., in Kenton, OH; and Robert F. Lorenz, Director of Education and Training at AISC.

LIFETIME ACHIEVEMENT AWARDS

AISC will present three lifetime achievement awards at this year's NASCC. Award recipients are:

- Egor Popov, Professor, Department of Civil Engineering, University of California at Berkeley;
- Clarkson W. Pinkham, President, S.B. Barnes & Associates, Los Angeles; and
- Gerard Fox, Partner, HNTB (retired).

Popov is best known for his development of steel alternatives for seismic design. He also is a long-time member of the AISC Committee on Specifications, as

well as many other committees for related organizations.

Pinkham also is a long-time member of the Specifications Committee and a leader in the design and construction of composite systems. He also is well known for his work on seismic design.

Fox, one of his generation's leading bridge designers, was a long-time member of the Structural Stability Research Council.

SPECIAL ACHIEVEMENT AWARDS

Special Achievement Awards were presented to:

- Duane Ellifritt, Professor, Department of Civil Engineering, University of Florida
- Helmut Krawinkler, Professor, Department of Civil Engineering, Stanford University
- Stanley D. Lindsey, President, Stanley D. Lindsey & Associates, Ltd., Atlanta, GA
- Helmut Jahn, Murphy/Jahn, Chicago



Duane Ellifritt and a group of former students with the original steel sculpture in Florida.

Ellifritt was recognized for his initiative in creating the first Steel Sculpture for University Education. This very successful program is a coordinated effort between universities and local fabrication groups to create on campus a large sculpture illustrating the major types of connections used in steel design. Currently, more than 50 campuses boast a sculpture modeled after Ellifritt's original.

Krawinkler was honored for pushing the envelope on seismic design and analysis. He is well known for leading the advancement of analysis capabilities and developing more realistic predictions of panel zone behavior in seismic beam-to-column connections.

Lindsey was selected for a special achievement award based on his work helping to make the use of partially restrained connections practical. Lindsey, one of the true original thinkers in the design industry, is scheduled to be one of the keynote speakers at the NASCC in Toronto.

Lastly, Jahn was honored based on his design of the nearly decade-old United Airlines Terminal at O'Hare International Airport in Chicago. The design has served as an inspiration for airport terminals around the world and has greatly contributed to the worldwide rebirth of interest in exposed structural steel.

AISC Tightens Steel Seminar

While attendees responded favorably to the educational content in AISC's latest lecture series, many disliked the format. As a result, beginning with the Dallas lecture, AISC has cut the program by two hours. Now, the lectures will begin at 1:30 and conclude at 6:30.

The 1999 Lecture Series, "Essentials of Steel Design Economy," is designed to give engineers the tools they need to do their job within the time and budget constraints created by a project's owner.

The seminar will feature five lectures:

- Planning for Steel Design Economy
- Decision Making in System Selection and Layout
- Decision Making in Member Selection
- Economy in Connection Detail
- Project Review

These lectures will focus on giving a designer a better understanding of the economics of the steel fabrication/erection process and will focus on specific items the design engineer can use to reduce fabrication and erection costs, such as optimal bay sizes and layout and the use of repetitive member sizes. "The presenters have taken a step back to reveal the overall design perspective instead of drowning the audience in tedious technical calculations we all know how to use," explained one attendee at a presentation in January.

As part of the lectures, an example of a moment connection will be presented and then analyzed for economy in design, fabrication and erection. Also included in the lecture will be an assessment of the different roles and perspectives of members of the construction team.

"The seminar should help to improve communication and

understanding between the design-detail-fabrication-erection team," explained Robert F. Lorenz, P.E., AISC's Director of Education. "We'll provide tips that will allow design professionals to anticipate detailed solutions to special conditions."

Seminar Schedule

New Orleans	.....	March 2
Houston	.....	March 3
Dallas	.....	March 9
Oklahoma City	.....	March 10
Sacramento	.....	March 23
San Francisco	.....	March 24
Seattle	.....	March 30
Portland, OR	.....	March 31
Salt Lake City	.....	April 13
Denver	.....	April 14
Albuquerque	.....	April 27
Phoenix	.....	April 28
Las Vegas	.....	April 29
Detroit	.....	May 5
Indianapolis	.....	May 6
Minneapolis	.....	May 26
Omaha	.....	May 27
Milwaukee	.....	June 2
Chicago	.....	June 3
St. Louis	.....	June 9
Kansas City	.....	June 10
Cleveland	.....	June 15
Columbus, OH	.....	June 16
Cincinnati	.....	June 17
Pittsburgh	.....	Sept. 14
Charleston	.....	Sept. 15
Washington, DC	.....	Sept. 22
Richmond, VA	.....	Sept. 23
Boston	.....	Sept. 29
Portland, ME	.....	Sept. 30
Philadelphia	.....	Oct. 6
Edison, NJ	.....	Oct. 7
Meriden, CT	.....	Oct. 13
New York City	.....	Oct. 14
Albany	.....	Oct. 27
Rochester, NY	.....	Oct. 28

Full seminar brochures will be automatically mailed to all MSC subscribers. If you do not receive one at least six weeks prior to the seminar date, please fax 312/670-5403 and request one or you can view the full brochure on AISC's web site .

NASCC '99 Combines Technical Seminars With Networking Opportunities



From the design of shallow steel floor systems to visual inspection of welds, the 1999 North American Steel Construction Conference's 30 technical sessions are formatted to offer engineers, fabricators, detailers and erectors practical knowledge that will help them do their jobs faster and better.

Technical sessions include:

- Column stiffening at moment connections;
- Fire tests & design of skewed connections;
- Steel plate shear walls;
- The story behind the making of "The Titanic";
- Conflict avoidance in fabrication of structural steel;
- Project control/project management;
- Heads-up marketing for the structural steel fabricator;
- Exposed HSS: Making aesthetics work;
- Transferring engineering information to shop computers: problems and solutions;
- What every steel erector should know about welding requirements;
- The crisis management game;
- Training of steel detailers; and

- Software for steel detailing.

Another highlight of the 1999 North American Steel Construction Conference, scheduled for May 19-22 in Toronto, will be a half-day plenary session featuring Stanley D. Lindsey, D.J. Laurie Kennedy, Robert D. Freeland and Carol Ross Barney. The plenary session will conclude with a fascinating discussion of the design and construction of the Guggenheim Museum in Bilbao, Spain. This structure represents the latest in steel design technology.

In addition to nearly 130 booths in the expanded exhibit hall, the conference will feature a detailing software demonstration with approximately 10 companies expected to participate, including: Steelcad International, Design Data, Computer Detailing Systems, Inc., CSC, CompuSteel, AceCAD Software, DetailCad CadVantage, Dogwood Technologies, and the SteelPlus Network.

The NASCC is the premier technical conference and trade show for the structural steel design and construction industry. Sponsored by AISC, as well as the Canadian and Mexican Institutes of Steel Construction, the conference also features the 1999 T.R. Higgins Lecture and three short courses (vibration design, welding, and bolting). In addition, the conference offers an expanded trade show featuring many of the leading product manufacturers in the steel design and construction industry, including representatives from the bolting, welding, decking, joist, software and coatings industries.

As with all AISC educational events, CEU credit is offered for the technical sessions.

The conference, which previously was known as the National

Steel Construction Conference, is designed as an annual event for designers, fabricators, detailers and erectors to come together and learn the latest techniques that directly impact their business. In addition, the conference provides an ideal venue for peer networking, with more than 1,500 engineers, fabricators, detailers and erectors gathered in one place.

For spouses and other guests, the conference offers an extensive guest program featuring tours of some of Toronto's most interesting attractions. Visitors will have the opportunity to experience the city and its many ethnic neighborhoods, including Chinatown, Greektown, Little Italy and Little India. For relaxation, Toronto offers more than 40 theatrical productions and 5,000 restaurants and nightclubs.

Registration for the conference, excluding the short courses, is \$425 (\$320 for members of the American, Canadian or Mexican Institutes of Steel Construction).

For more information, see AISC's web site at www.aisc.org, or, to receive a complete program, fax a request to 312/670-5403 or call 312/670-5448 or 312/670-5407.

Regional Student Steel Bridge Competitions

Nearly 200 schools are expected to participate in the regional Student Steel Bridge Competitions in 1999. The competition, which allows student teams to design, fabricate and erect working scale models of bridges, is designed to help engineering students learn the full process of bridge design and construction.

Spectators are always welcome. For more information, contact Fromy Rosenberg, AISC Assistant Director of Education, at 312/670-5408.

1999 Student Bridge Competition Schedule

host	dates
North Carolina A&T	4/9-11
Arkansas State Univ.	4/8-10
Univ. of Wisc.-Madison	4/29-5/1
Johns Hopkins	4/10
Rutgers University	4/10
S. Ill. Univ.-Carbondale	4/15-17
Univ. of Cal.-Berkeley	4/24
Iowa State University	2/25-27
University of Akron	4/8-10
University of Kentucky	4/9-10
University of Portland	4/17
S. California Univ.	3/18-20
Penn State University	4/10
Col. School of Mines	4/9-10
New Mexico State	3/6
Univ. of Al.-Birmingham	3/25-27
Cornell University	4/16-17
Virginia Tech	4/16-17

Correction

A typographical error occurred in Prodraft, Inc.'s listing in the February issue. The company should have been listed as having 17 detailers. We regret the error.