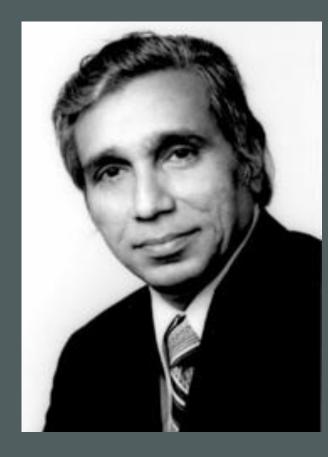
# The Fazlur Rahman Khan Distinguished Lecture Series

Honoring a legacy in structural engineering and architecture http://www.lehigh.edu/frkseries

# 2(0)117



### **Fazlur Rahman Khan**

#### 1929 - 1982

Fazlur Rahman Khan ushered in a renaissance in skyscraper construction during the second half of the 20th century. Khan was a pragmatic visionary: the series of progressive ideas that he brought forth for efficient high-rise construction in the 1960s and 1970s were validated in his own work, notably his efficient designs for Chicago's 100-story John Hancock Center and 110-story Sears Tower (the tallest building in the United States since its completion in 1974).

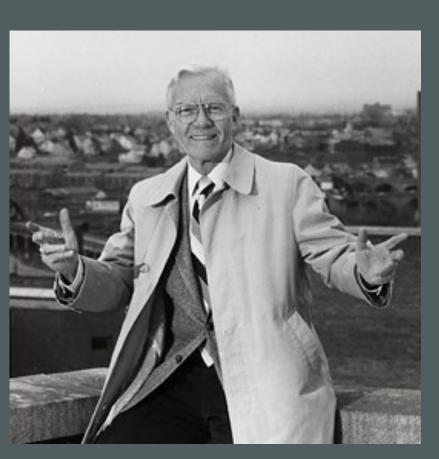
His characteristic statement to an editor in 1971, having just been selected Construction's Man of the Year by Engineering News Record, is commemorated on a plaque in Onterie Center, Chicago: "The technical man must not be lost in his own technology. He must be able to appreciate life; and life is art, drama, music, and most importantly, people."

## Lynn S. Beedle

#### 1917 - 2003

In July 1947, Lynn joined Lehigh University as Research Instructor and rose to Full Professor in 10 years. In recognition of his professional and research achievements, he was appointed to a University Distinguished Professorship in 1978.

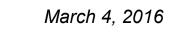
Following the premature death of Fazlur Khan in 1982, Beedle organized the establishment at Lehigh University of the Fazlur Rahman Khan Endowed Chair.



## **2017 SPEAKERS**



**Ronald O. Hamburger** Senior Principal Simpson Gumpertz & Heger, Inc. San Francisco, CA Performance-based Design: What, How, When, Why, and Why Not to Use It







Senior Structural Consultant Skidmore Owings & Merrill, LLP Lessons Learned

**SPEAKERS - 2016** 

**SPEAKERS - 2015** 

April 15, 2016

Glenn R. Bell



**Jin-Guang Teng** Chair Professor of Structural Engineering The Hong Kong Polytechnic University Hong Kong, China Structural Use of FRP Composites in Construction: Past Achievements and Future Opportunities

## **Eugen Brühwiler**

**Professor and Dr. Structural Engineer** Swiss Federal Institute of Technology Lausanne, Switzerland

## Getting More Out of Existing Bridges February 17, 2017

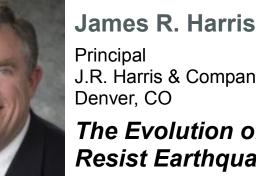




William Pedersen Founding Design Partner Kohn Pedersen Fox Associates New York, NY Balancing

February 20, 2015





J.R. Harris & Company Denver, CO The Evolution of Building Design to Resist Earthquakes

February 15, 2014

**R. Shankar Nair** 

Senior Vice President

exp US Services Inc.

February 15, 2013

**Ross B. Corotis** 

The Evolution of the Skyscraper

Chicago, IL



**SPEAKERS - 2014** Jon D. Magnusson

Senior Principal Magnusson Klemencic Associates Seattle, WA

Structure Becoming Architecture: Case Studies of Aesthetics, Form and Efficiency March 22, 2014

### **SPEAKERS - 2013**

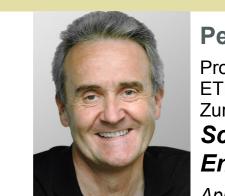
John M. Kulicki Chairman/CEO Modjeski and Masters Inc. Mechanicsburg, PA **Observations on AASHTO Bridge Design** 

March 22, 2013

#### **SPEAKERS - 2012**



Chief Executive Officer Simpson Gumpertz & Heger Waltham, MA Structural Engineering at Mid-21st **Century: Reengineering Our Roles** March 20, 2015



Peter Marti Professor of Structural Engineering ETH Zurich Zurich. Switzerland Science and Art of Structural Engineering April 17, 2015



**Charles H. Thorton** Chairman Charles H. Thornton & Company, LLC New York, NY Renaissance, Rebirth and Disruptive Innovation

April 19, 2014

Alfredo H-S. Ang Research Professor University of California Irvine, CA

Minimizing the Effects of Uncertainties in Developing Reliability-Based Design Criteria April 19, 2013



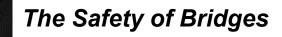
#### Robert L. Parker, Sr. Professor in Engineering and Chair, Department of Civil, Architectural, and Environmental Engineering,

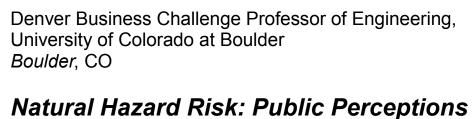
University of Texas at Austin, Austin, TX

**Opportunities and Challenges for** 



Ted V. Galambos Professor Emeritus, Structural Engineering, University of Minnesota Minneapolis, MN





## Lawrence G. Griffis

**Senior Principal/Senior Consultant** Walter P. Moore and Associates, Inc. Austin, TX

## **Design and Construction of Cowboys Stadium** March 31, 2017



## Peter A. Weismantle

**Director of Supertall Building Technology** Adrian Smith + Gordon Gill Architecture





New York, NY

February 20, 2009

**Richard Tomasetti** 

Thornton Tomasetti, Inc.

New York, NY

McCormick Institute & Walter P. Murphy Professor Northwestern University, Evanston, IL

Progress Engendered by Collapses of **Record Setting Structures: Malpasset** Dam, World Trade Center Towers and KB Bridge in Palau February 26, 2010

President Magnusson Klemencic Associates Seattle. WA

#### **SPEAKERS - 2009**

**SPEAKERS - 2008** 

Jeremy Isenberg

Past-President and CEO

**Man-Chung Tang** 

Chairman of the Board

Why? Why Not? What If?

T.Y. Lin International

San Francisco, CA

March 16, 2007

New York, NY

Weidlinger Associates, Inc.

**SPEAKERS - 2010** 

William F. Baker Partner Skidmore, Owings & Merrill Chicago & London Engineering the World's Tallest: Burj Dubai March 20, 2009



Atlanta, GA Abnormal Loads & Progressive Collapse – Assessment & Mitigation of Risk

April 17, 2009



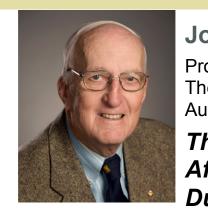
Professor Emeritus of Civil Engineering Bethlehem, PA





**OUTRAGEOUS!** 

March 19, 2010



Professor/Nasser I. Al-Rashid Chair in Civil Engineering The University of Texas Austin, TX

Affordable, Beautiful, Constructible, Durable

April 16, 2010

John E. Breen

The ABCD's of Bridge Building:





Leslie E. Robertson Associates, R.L.L.P.

The Architect and the Structural

Engineer – Partners in Design

Leslie E. Robertson







Architectural Technical Design of the New Generation of Supertall Buildings

April 21, 2017





Structural Design for Security—Past Accomplishments and Future Directions



**Overcoming Barriers to Durable Steel Bridge Systems** 

April 18, 2008

W. Gene Corley Senior Vice President CTLGroup Skokie, IL Learning from the Attacks on an American Icon - World Trade Center **Building: Performance Study** April 20, 2007

#### **Fazlur Rahman Khan Endowed Chair of Structural Engineering and Architecture** http://www.lehigh.edu/~dmf206

Lehigh University endowed a chair in structural engineering and architecture in Khan's honor and in August 2006 appointed Professor Dan M. Frangopol, an expert in structural reliability, optimization, civil infrastructure systems, and life-cycle engineering, as the university's inaugural holder of the Fazlur Rahman Khan Endowed Chair of Structural Engineering and Architecture. Dr. Frangopol is the initiator and organizer of the Fazlur Rahman Khan Distinguished Lecture Series.