

# The Fazlur Rahman Khan Distinguished Lecture Series

## 2007

*Honoring a legacy in structural engineering and architecture*

<http://www.lehigh.edu/frkseries>

## 2020



**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.



## 2020 SPEAKERS



**Jon Pickard**

Principal  
Pickard Chilton  
New Haven, CT  
*Gracing the Sky, Enriching the City*  
February 28, 2020



**Phillip L. Gould**

Senior Professor  
Washington University  
St. Louis, MO  
*From Slide Rule to FEA: Some Stops Along the Way*  
March 20, 2020



**Gregory Deierlein**

John A. Blume Professor  
School of Engineering  
Stanford University  
Stanford, CA  
*From Performance-Based Engineering to Urban Resilience*  
April 17, 2020

### SPEAKERS - 2019



**Kishor Mehta**  
P. W. Horn Professor of Civil Engineering  
Texas Tech University  
Lubbock, TX  
*Evolution of Assessment of Wind Speeds in Tornadoes*  
February 22, 2019

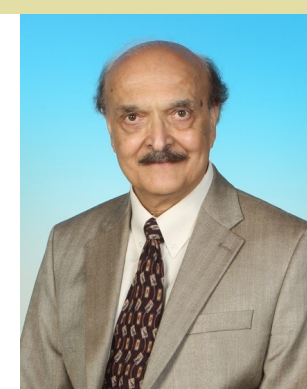


**SawTeen See**  
President  
See Robertson Structural Engineers, LLC  
New York, NY  
*Some Long-Span and Some Tall Buildings*  
March 29, 2019



**Karl H. Frank**  
Consultant and Professor Emeritus  
University of Texas at Austin  
Austin, TX  
*The Role of Quality Control in Some Notable Bridge Problems*  
April 12, 2019

### SPEAKERS - 2018



**Surendra P. Shah**  
Walter P. Murphy Professor of Civil Engineering (Emeritus)  
Northwestern University, Evanston, IL  
*Sustainability in Concrete Construction Based on Nanotechnology*  
February 23, 2018



**Robert Sinn**  
Principal  
Thornton Tomasetti  
Chicago, IL  
*From Bilbao to Jeddah: An Engineer's Journey*  
March 23, 2018



**Yozo Fujino**  
Distinguished Professor  
Institute of Advanced Sciences, Yokohama National University — Yokohama, Japan  
*Lessons Learned from 30 Years of Experience in Dynamics, Monitoring and Control of Bridges*  
April 13, 2018

### SPEAKERS - 2017



**Eugen Brühwiler**  
Professor and Dr. Structural Engineer  
Swiss Federal Institute of Technology  
Lausanne, Switzerland  
*Getting More Out of Existing Bridges*  
February 17, 2017



**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  
Chicago, IL  
*Architectural Technical Design of the New Generation of Supertall Buildings*  
April 21, 2017

### SPEAKERS - 2016



**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*  
March 4, 2016



**John Zils**  
Senior Structural Consultant  
Skidmore Owings & Merrill, LLP  
Chicago, IL  
*Lessons Learned*  
April 15, 2016



**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*  
April 22, 2016

### SPEAKERS - 2015



**William Pedersen**  
Founding Design Partner  
Kohn Pedersen Fox Associates  
New York, NY  
*Balancing*  
February 20, 2015



**Glenn R. Bell**  
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

### SPEAKERS - 2014



**James R. Harris**  
Principal  
J.R. Harris & Company  
Denver, CO  
*The Evolution of Building Design to Resist Earthquakes*  
February 15, 2014



**Jon D. Magnusson**  
Senior Principal  
Magnusson Klemencic Associates  
Seattle, WA  
*Structure Becoming Architecture: Case Studies of Aesthetics, Form and Efficiency*  
March 22, 2014



**Charles H. Thornton**  
Chairman  
Charles H. Thornton & Company, LLC  
New York, NY  
*Renaissance, Rebirth and Disruptive Innovation*  
April 19, 2014

### SPEAKERS - 2013



**R. Shankar Nair**  
Senior Vice President  
exp US Services Inc.  
Chicago, IL  
*The Evolution of the Skyscraper*  
February 15, 2013



**John M. Kulicki**  
Chairman/CEO  
Modjeski and Masters Inc.  
Mechanicsburg, PA  
*Observations on AASHTO Bridge Design*  
March 22, 2013



**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

### SPEAKERS - 2012



**Ross B. Corotis**  
Denver Business Challenge Professor of Engineering  
University of Colorado at Boulder  
Boulder, CO  
*Natural Hazard Risk: Public Perceptions & Political Perversities*  
February 17, 2012



**Sharon L. Wood**  
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 Infrastructure Monitoring*  
March 23, 2012



**Ted V. Galambos**  
Professor Emeritus, Structural Engineering  
University of Minnesota  
Minneapolis, MN  
*The Safety of Bridges*  
April 20, 2012

### SPEAKERS - 2011



**David Scott**  
Practice Leader  
Arup, Americas Building  
New York, NY  
*Extreme Engineering*  
February 18, 2011



**Chris D. Poland**  
Chairman & CEO  
Degenkolb Engineers  
San Francisco, CA  
*Building Disaster Resilient Communities*  
April 8, 2011



**David Billington**  
Gordon Y. S. Wu Professor of Engineering,  
Princeton University  
Princeton, NJ  
*Personal and Professional Recollections of Fazlur Khan*  
September 9, 2011



**Masayoshi Nakashima**  
Professor  
Kyoto University, Disaster Prevention Research Institute, Kyoto, Japan  
*Safeguarding Quality of Life: The Role of Large-Scale Testing*  
September 23, 2011

### SPEAKERS - 2010



**Zdeněk P. Bažant**  
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



**Ron Klemencic**  
President  
Magnusson Klemencic Associates  
Seattle, WA  
*OUTRAGEOUS!*  
March 19, 2010



**John E. Breen**  
Professor/Nasser I. Al-Rashid Chair in Civil Engineering  
The University of Texas  
Austin, TX  
*The ABCD's of Bridge Building: Affordable, Beautiful, Constructible, Durable*  
April 16, 2010

### SPEAKERS - 2009



**Leslie E. Robertson**  
Leslie E. Robertson Associates, R.L.L.P.  
New York, NY  
*The Architect and the Structural Engineer – Partners in Design*  
February 20, 2009



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



**Bruce R. Ellingwood**  
Distinguished Professor & Raymond Allen Jones Chair  
Georgia Institute of Technology  
Atlanta, GA  
*Abnormal Loads & Progressive Collapse – Assessment & Mitigation of Risk*  
April 17, 2009

### SPEAKERS - 2008



**Richard Tomasetti**  
Past-President and CEO  
Weidlinger Associates, Inc.  
New York, NY  
*Structural Design for Security—Past Accomplishments and Future Directions*  
March 14, 2008



**Jeremy Isenberg**  
Past-President and CEO  
Weidlinger Associates, Inc.  
New York, NY  
*Structural Design for Security—Past Accomplishments and Future Directions*  
March 14, 2008



**John W. Fisher**  
Professor Emeritus of Civil Engineering  
Lehigh University  
Bethlehem, PA  
*Overcoming Barriers to Durable Steel Bridge Systems*  
April 18, 2008

### SPEAKERS - 2007



**Mark Sarkisian**  
Partner  
Skidmore, Owings & Merrill  
San Francisco, CA  
*Khan's Vision*  
February 9, 2007



**Man-Chung Tang**  
Chairman of the Board  
T.Y. Lin International  
San Francisco, CA  
*Why? Why Not? What If?*  
March 16, 2007



**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.