

The Fazlur Rahman Khan Distinguished Lecture Series

2007

Honoring a legacy in structural engineering and architecture

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

2018



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.



2018 SPEAKERS



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



Yoizo 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



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. Griffin
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



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



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



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



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



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



David Scott
Arup, Americas Building
Practice Leader
New York, NY

Extreme Engineering

February 18, 2011



Chris D. Poland
Degenkolb Engineers
Chairman & CEO
San Francisco, CA

Building Disaster Resilient Communities

April 8, 2011



David Billington
Princeton University
Gordon Y.S. Wu Professor of
Engineering, Emeritus, Princeton, NJ

Personal and Professional Recollections of Fazlur Khan

September 9, 2011



Masayoshi Nakashima
Kyoto University, Disaster Prevention
Research Institute
Kyoto, Japan

Safeguarding Quality of Life: The Role of Large-Scale Testing

September 23, 2011



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



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



Richard Tomasetti
Thornton Tomasetti, Inc.
New York, NY

Engineering of Major Architecture, Then and Now

February 15, 2008



Jeremy Isenberg
Past-President and CEO
Weidinger 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



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.