

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



Aftab A. Mufti

Emeritus Professor
University of Manitoba
Winnipeg, Manitoba, Canada
Intelligent Sensing for Innovative Structures: Development of the New Discipline of Civionics
October 22, 2020 (Virtual Event)



Gregory Deierlein

John A. Blume Professor
School of Engineering
Stanford University
Stanford, CA
From Performance-Based Engineering to Urban Resilience
November 19, 2020 (Virtual Event)

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

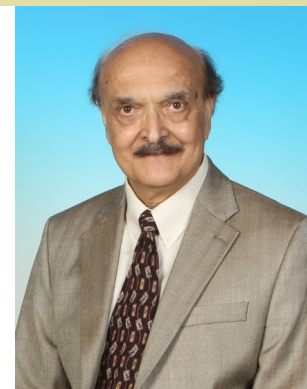


SawTeen See
President
See Robertson Structural Engineers, LLC
New York, NY
Some Long-Span and Some Tall Buildings
March 29, 2019



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

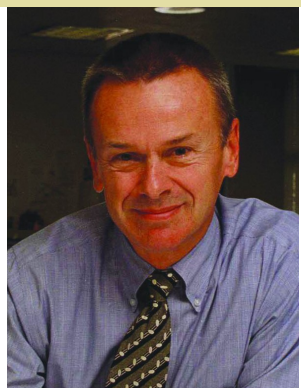


Peter A. Weismantle
Director of Supertall Building Technology
Adrian Smith + Gordon Gill Architecture
Chicago, IL
Architectural Technical Design of the New Generation of Supertall Buildings
April 21, 2017

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 Zills
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
Thornton Tomasetti, Inc.
New York, NY
Engineering of Major Architecture, Then and Now
February 15, 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.