

The Fazlur Rahman Khan Distinguished Lecture Series

2007

Honoring a legacy in structural engineering and architecture

2020

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



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 <i>Evolution of Assessment of Wind Speeds in Tornadoes</i> February 22, 2019	
	Karl H. Frank Consultant and Professor Emeritus University of Texas at Austin Austin, TX <i>The Role of Quality Control in Some Notable Bridge Problems</i> April 12, 2019	
	SawTeen See President See Robertson Structural Engineers, LLC New York, NY <i>Some Long-Span and Some Tall Buildings</i> March 29, 2019	
	Surenra P. Shah Walter P. Murphy Professor of Civil Engineering (Emeritus) Northwestern University, Evanston, IL <i>Sustainability in Concrete Construction Based on Nanotechnology</i> February 23, 2018	
	Robert Sinn Principal Thornton Tomasetti Chicago, IL <i>From Bilbao to Jeddah: An Engineer's Journey</i> March 23, 2018	
	Yoizo Fujino Distinguished Professor Institute of Advanced Sciences, Yokohama National University — Yokohama, Japan <i>Lessons Learned from 30 Years of Experience in Dynamics, Monitoring and Control of Bridges</i> April 13, 2018	
	Eugen Brühwiler Professor and Dr. Structural Engineer Swiss Federal Institute of Technology Lausanne, Switzerland <i>Getting More Out of Existing Bridges</i> February 17, 2017	
	Lawrence G. Griffis Senior Principal/Senior Consultant Walter P. Moore and Associates, Inc. Austin, TX <i>Design and Construction of Cowboys Stadium</i> March 31, 2017	
	Peter A. Weismantle Director of Supertall Building Technology Adrian Smith + Gordon Gill Architecture Chicago, IL <i>Architectural Technical Design of the New Generation of Supertall Buildings</i> April 21, 2017	
	Ronald O. Hamburger Senior Principal Skidmore Gumpertz & Heger, Inc. San Francisco, CA <i>Performance-based Design: What, How, When, Why, and Why Not to Use It</i> March 4, 2016	
	John Zills Senior Structural Consultant Skidmore Owings & Merrill, LLP Chicago, IL <i>Lessons Learned</i> April 15, 2016	
	Jin-Guang Teng Chair Professor of Structural Engineering The Hong Kong Polytechnic University Hong Kong, China <i>Structural Use of FRP Composites in Construction: Past Achievements and Future Opportunities</i> April 22, 2016	
	William Pedersen Founding Design Partner Kohn Pedersen Fox Associates New York, NY <i>Balancing</i> February 20, 2015	
	Glenn R. Bell Chief Executive Officer Simpson Gumpertz & Heger Waltham, MA <i>Structural Engineering at Mid-21st Century: Reengineering Our Roles</i> March 20, 2015	
	Peter Marti Professor of Structural Engineering ETH Zurich Zurich, Switzerland <i>Science and Art of Structural Engineering</i> April 17, 2015	
	James R. Harris Principal J.R. Harris & Company Denver, CO <i>The Evolution of Building Design to Resist Earthquakes</i> February 15, 2014	
	Jon D. Magnusson Senior Principal Magnusson Klemencic Associates Seattle, WA <i>Structure Becoming Architecture: Case Studies of Aesthetics, Form and Efficiency</i> March 22, 2014	
	Charles H. Thornton Chairman Charles H. Thornton & Company, LLC New York, NY <i>Renaissance, Rebirth and Disruptive Innovation</i> April 19, 2014	
	R. Shankar Nair Senior Vice President exp US Services Inc. Chicago, IL <i>The Evolution of the Skyscraper</i> February 15, 2013	
	John M. Kulicki Chairman/CEO Modjeski and Masters Inc. Mechanicsburg, PA <i>Observations on AASHTO Bridge Design</i> March 22, 2013	
	Alfredo H-S. Ang Research Professor University of California Irvine, CA <i>Minimizing the Effects of Uncertainties in Developing Reliability-Based Design Criteria</i> April 19, 2013	
	Ross B. Corotis Denver Business Challenge Professor of Engineering University of Colorado at Boulder Boulder, CO <i>Natural Hazard Risk: Public Perceptions & Political Perversities</i> 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 <i>Opportunities and Challenges for Infrastructure Monitoring</i> March 23, 2012	
	Ted V. Galambos Professor Emeritus, Structural Engineering University of Minnesota Minneapolis, MN <i>The Safety of Bridges</i> April 20, 2012	
	David Scott Practice Leader Arup, Americas Building New York, NY <i>Extreme Engineering</i> February 18, 2011	
	Chris D. Poland Chairman & CEO Degenkolb Engineers San Francisco, CA <i>Building Disaster Resilient Communities</i> April 8, 2011	
	David Billington Gordon Y. S. Wu Professor of Engineering, Princeton University Princeton, NJ <i>Personal and Professional Recollections of Fazlur Khan</i> September 9, 2011	
	Masayoshi Nakashima Professor Kyoto University, Disaster Prevention Research Institute, Kyoto, Japan <i>Safeguarding Quality of Life: The Role of Large-Scale Testing</i> September 23, 2011	
	Zdeněk P. Bažant McCormick Institute & Walter P. Murphy Professor Northwestern University, Evanston, IL <i>Progress Engendered by Collapses of Record Setting Structures: Malpasset Dam, World Trade Center Towers and KB Bridge in Palau</i> February 26, 2010	
	Ron Klemencic President Magnusson Klemencic Associates Seattle, WA <i>OUTRAGEOUS!</i> March 19, 2010	
	John E. Breen Professor/Nasser I. Al-Rashid Chair in Civil Engineering The University of Texas Austin, TX <i>The ABCD's of Bridge Building: Affordable, Beautiful, Constructible, Durable</i> April 16, 2010	
	Leslie E. Robertson Leslie E. Robertson Associates, R.L.L.P. New York, NY <i>The Architect and the Structural Engineer - Partners in Design</i> February 20, 2009	
	William F. Baker Partner Skidmore, Owings & Merrill Chicago & London <i>Engineering the World's Tallest: Burj Dubai</i> March 20, 2009	
	Bruce R. Ellingwood Distinguished Professor & Raymond Allen Jones Chair Georgia Institute of Technology Atlanta, GA <i>Abnormal Loads & Progressive Collapse - Assessment & Mitigation of Risk</i> April 17, 2009	
	Richard Tomasetti Thornton Tomasetti, Inc. New York, NY <i>Engineering of Major Architecture, Then and Now</i> February 15, 2008	
	Jeremy Isenberg Past-President and CEO Weidinger Associates, Inc. New York, NY <i>Structural Design for Security—Past Accomplishments and Future Directions</i> March 14, 2008	
	John W. Fisher Professor Emeritus of Civil Engineering Lehigh University Bethlehem, PA <i>Overcoming Barriers to Durable Steel Bridge Systems</i> April 18, 2008	
	Mark Sarkisian Partner Skidmore, Owings & Merrill San Francisco, CA <i>Khan's Vision</i> February 9, 2007	
	Man-Chung Tang Chairman of the Board T.Y. Lin International San Francisco, CA <i>Why? Why Not? What If?</i> March 16, 2007	
	W. Gene Corley Senior Vice President CTLGroup Skokie, IL <i>Learning from the Attacks on an American Icon - World Trade Center Building: Performance Study</i> 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.