



SEOKKWON JANG, Ph.D., P.E., M.ASCE

Partner

Dr. Jang works on projects in the role of Project Director and Partner-in-Charge. He guides the efforts of our Project Manager in the development of the structural design and in the coordination of the structural engineering services with Owner, Architect, Services Engineer and Contractor. Dr. Jang works closely with the other Partners and Project Directors and with the staff of other firms.

PROFESSIONAL EXPERIENCE

LERA Consulting Structural Engineers
2004 to Present

ATLSS Research Center, Lehigh University
1999 to 2004

REGISTRATION

Professional Engineer – USA

Architectural Engineering License – Korea

EDUCATION

Lehigh University,
Ph.D. Structural Engineering, 2003

University of Minnesota,
M.S. Structural Engineering, 1995

Hangyang University, Seoul, South Korea,
B.S./M.S. Architectural Engineering, 1992

LANGUAGES

English, Korean

HONORS & ACTIVITIES

Member, American Society of Civil Engineers (ASCE)

Excellence in Structural Engineering Award, National Council of Structural Engineers Associations (NCSEA), 2014

PAPERS & TALKS

Presenter, "Design Approach for High-Rise & Irregular Building", 1st Workshop and Special Lecture of HY2BRID LAB of National Research Foundation of Korea, Hanyang University, Seoul, South Korea, July 2020

Presenter, "JW Marriott Hotel, Hanoi: Dragon Hotel," Architectural Institute of Korea, Busan, South Korea, Oct 2016

Author, "Material Performance Evaluation and Super-tall Building Applicability of the 800 MPa High-strength Steel Plates for Building Structures," Int'l Journal of Steel Structures, Vol. 14, Issue 4, pp. 889-900, Dec 2014

Author, "Application of High Performance Steel to Construction over Railroad Tracks and Expressways," POSCO Global R&D Center, Seoul, South Korea, 2014

OFFICE/MIXED-USE

Hyundai Global Business Center, Seoul, South Korea

Lotte World Tower, Seoul, South Korea

Cheongna International City Tower, Incheon, South Korea

Central I'Park, Busan, South Korea

RIST – Prototypical Super High-Rise Building System Study, South Korea

Seoul Lite-Spire Design & Erection Method, Seoul, South Korea

KLCC Lot 91, Kuala Lumpur, Malaysia

KLCC Lots 167 & 176, Kuala Lumpur, Malaysia

4 World Trade Center, New York, NY

Bitexco Financial Tower, Ho Chi Minh City, Vietnam

Agribank Towers, Hanoi, Vietnam

Corporate Headquarters, Mumbai, India

Hyderabad Office Tower, Hyderabad, India

Greenland Pacific Park Platform, Brooklyn, NY

555 Miami River, Miami, FL

HOTEL/RESIDENTIAL

KLCC Lot 185, Kuala Lumpur, Malaysia

JW Marriott Hotel & Convention Center, Hanoi, Vietnam

Monument Residential Tower, Reno, NV

Horizen Hotel, New York, NY

AVIATION/TRANSPORTATION

Incheon Int'l Airport, Passenger Terminal 2 – Design Competition, Incheon, South Korea

McCarran Airport Expansion – NE Wing, Las Vegas, NV

MUSEUMS/GALLERIES

Museum of Islamic Art, Doha, Qatar

Cornell University, Johnson Museum of Art Addition, Ithaca, NY

Lucas Museum of Narrative Art, Los Angeles, CA

EDUCATIONAL FACILITIES

CUNY, John Jay College of Criminal Justice, Academic Building I, New York, NY

PEER REVIEWS/VALUE ENGINEERING

Busan Lotte Tower, Busan, South Korea

KLCC Lot 171, Kuala Lumpur, Malaysia

1 World Trade Center, Freedom Tower, New York, NY

Waterfront Integrated Resort, Colombo, Sri Lanka

Wembley Stadium, London, United Kingdom

432 Park Avenue, New York, NY

440 Park Avenue, New York, NY

107 West 57th Street, New York, NY

605 West 42nd Street, New York, NY

45 Broad Street, New York, NY

Queens Park Plaza, Long Island City, NY

The Spiral, New York, NY

USTA, Armstrong Tennis Stadium, Queens, NY

Oberoi Garden City, Mumbai, India

Author, "JW Marriott Hanoi," ENR-NY Magazine, 2017

Presenter, "Transition of Building Design: Past, Now & Future," Daewoo Institute of Construction Technology, Gyeonggi-do, Korea, 2008

Author, "Box-Column Hull Girder Strength Under Combined Compression and Shear Forces – Experimental Study/ Parametric Analytical Study," ATLSS Report No. 06-04/No. 06-10, Lehigh University, Bethlehem, PA, 2006

Author, "Compressive Strength of AL-6XN Stainless Steel Triple-Cell Box Columns," ATLSS Report No. 05-24, Lehigh University, Bethlehem, PA, 2005

Author, "Achieving safer and more economical buildings through database-assisted, reliability-based design for wind," Journal of Wind Engineering & Industrial Aerodynamics, Vol. 91, Issues 12–15, 2003

Presenter, "Database-Assisted Design for Wind Effects on Z-shaped Purlins," ASCE/SEI Structures Congress & Exposition, Seattle, WA, 2003

Author, "Database-Assisted Wind Load Capacity Estimates for Low-Rise Steel Frames," Journal of Structural Engineering, ASCE, Vol. 128 (12), pp. 1594–1603, 2002

Author, "Compressive Strength of AL-6XN Stainless Steel Plates and Box Columns," Final Report of Phase I, ATLSS Report, No. 02-04, Lehigh University, Bethlehem, PA, 2002

Author, "The Ultimate Strength of AL-6XN Plates under Axial Compression," Proc. of The First International Conference on Steel & Composite Structures, Vol. 2, pp. 1403–1410, Pusan, South Korea, 2001

Presenter, "Ultimate Strength Estimates of Cold-Formed Square Columns Subjected to Eccentric Axial Force", Proc., Korean Architectural Association (KAA), Seoul, South Korea, 1993

Author, "Ultimate Strength Estimates of Cold-Formed Square Columns Subjected to Eccentric Axial Force", Journal of Korean Architectural Association, Seoul, South Korea, 1993

INSPECTIONS/RESTORATION

1 World Trade Center, Freedom Tower – Existing Slab Survey, *New York, NY*
Poongsan Headquarter Building, *Seoul, South Korea*

SECURITY PROJECTS

Federal Facility Security Enhancement, Building 1 & 2 Office Tower, *New York, NY*
Convention Center, *New York, NY*
Cultural Facility, *Pennsylvania*