



WING-PIN (WINNIE) KWAN, Ph.D, P.E. Managing Partner

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

PROFESSIONAL EXPERIENCE

LERA Consulting Structural Engineers
2000 to Present

REGISTRATION

Professional Engineer – NY
Licensed or eligible in all 50 states.
Civil Engineer – CA

EDUCATION

Cornell University
Ph.D. Civil & Environmental
Engineering, 2001

Princeton University
B.S.E., Highest Honors, Civil
Eng. and Operations Research,
(with Certificate in Geological
Engineering), 1997

HONORS & ACTIVITIES

Outstanding 50 Asian Americans in
Business, 2015

Rising Star in Structural Engineering
Award, Structural Engineer
Magazine, 2012

40 Under 40 Award, Building Design
& Construction Magazine, 2011

Achievement Award of the New
Jersey Chapter of the American
Concrete Institute (ACI)

James Hayes-Edgar Palmer Prize in
Engineering

W. Mack Angas Prize in Civil
Engineering, Bonhag Student Award
for Excellence Finalist, New Jersey

LANGUAGES

English, Chinese (Cantonese,
Mandarin)

OFFICE/MIXED-USE

OPPO Headquarters, Shenzhen, China

2 Murray Road, Hong Kong

Wellington Street Mixed-Use Development, Hong Kong

China Resources Land Headquarters, Shenzhen, China

Capitol Crossing, Washington, D.C.

Shanghai World Financial Center, Shanghai, China

KLCC Mixed-Use Development, Kuala Lumpur, Malaysia

KLCC Lot 91, Kuala Lumpur, Malaysia

PNB 118, Kuala Lumpur, Malaysia

Jinan Cheda International Financial Center, Jinan, China

Lotte World Tower, Seoul, South Korea

The Spirit of Siagon Development, Ho Chi Minh City, Vietnam

AIG Tower & Footbridge (now AIA Central), Hong Kong

Repsol-YPF Headquarters, Buenos Aires, Argentina

Mabarak Center, Lahore, Pakistan

Esentai Tower, Almaty, Kazakhstan

Kazkommertzbank, Almaty, Kazakhstan

Chongqing 101 Tower, Chongqing, China

OCT Tower, Shenzhen, China

RETAIL

Vanke Jiading InCity, Shanghai, China

MUSEUMS/CULTURAL FACILITIES

NASCAR Hall of Fame and Museum, Charlotte, NC

National Constitution Center, Philadelphia, PA

Suzhou Museum, Suzhou, China

West Kowloon Cultural District Competition, Hong Kong

RESIDENTIAL/HOTEL

JW Marriott Residences at Esentai Park, Almaty, Kazakhstan

Oberoi Garden City Phase 2, Mumbai, India

39 Conduit Road Damper Design, Hong Kong

M3M Golf Estate, Gurgaon, India

CONVENTION CENTERS

David L. Lawrence Convention Center, Pittsburgh, PA

Charlotte Convention Center Expansion, Charlotte, NC

Kuala Lumpur Convention Center Expansion, Kuala Lumpur, Malaysia

PAPERS & TALKS

"What Makes for Innovative Tall Building Engineering?," CTBUH 2019 Tall + Urban Innovation Conference, April 2019

"How Seismic Considerations Affect the Design of Skyscrapers," 2nd Skyscrapers Asia Summit, March 2018

"Aspect / Ratios: Voices of Women in the Tall Building World", CTBUH Journal, Issue III 2017

"Rethinking the Fundamentals", Hong Kong University, October 2016

"Challenges of the Structural Design for the Shenzhen OCT Tower", Building Structure, Publication No. 20, 2015

"Influence of Hysteretic Behavior on Equivalent Period and Damping of Structural Systems," ASCE Journal of Structural Engineering, May 2003

"Seismic Analysis and Behavior of Unbonded Post-tensioned Systems", ASCE Journal of Bridge Engineering, March/April 2003

"Seismic Response of Unbonded Post-Tensioned Columns," Proceedings of the 7th National Conference on Earthquake Engineering, Earthquake Engineering Research Institute, 2002

"Simulation of Structural Concrete Under Cyclic Load," ASCE Journal of Structural Engineering, December 2001

Seismic Analysis, Behavior and Performance-Based Design of Precast Post-tensioned Concrete Substructure Systems, Ph.D. Thesis, Cornell University, January 2001

"Seismic Behavior of Unbonded Post-tensioned Bridge Connections", Proceedings, 8th Canadian Conference on Earthquake Engineering, 1999

Presentations on Unbonded Post-tensioned Substructure Systems, ACI Convention in Maryland, 1999, and ACI Convention in Philadelphia, 2000

HEALTHCARE

Shanghai Jiahui International Hospital, Shanghai, China

Gleneagles Shanghai Hospital, Shanghai, China

DASNY/H+H, Bellevue Hospital Center, New York, NY

PEER REVIEW/STRUCTURAL AUDITS

Wuhan CTF Tower, Wuhan, China

Kwah Block 43-10 Office Building

Wuhan Tiandi Lots B1-B5, Wuhan, China

Chongqing Super Tower, Chongqing, China

Guangzhou East Tower, Guangzhou, China

Busan Lotte Town Tower, Busan, South Korea

International Commerce Centre, Hong Kong, China

Shangri-La Hotel, Shenzhen, China

Kerry Property Office Towers, Shenzhen, China

York House, Hong Kong, China

One Central, the Mandarin Oriental, Macau, China

CCTV Headquarters, Beijing, China

432 Park Avenue, New York, NY

Torre de Cristal, Madrid, Spain

The United States Air Force Memorial, Arlington, VA

David L. Lawrence Convention Center, Pittsburgh, PA