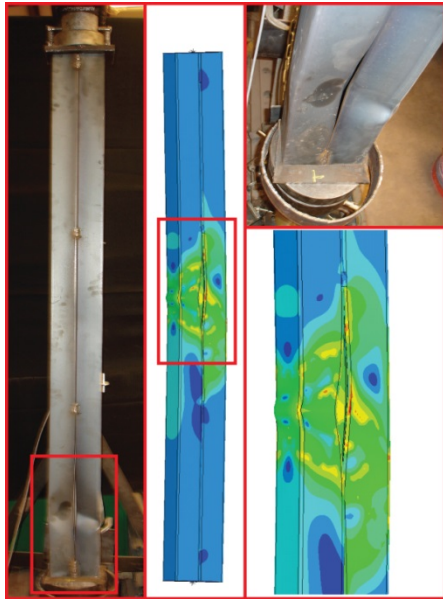


## Professor Thomas Kang (Kang, T. H.-K.)



[Distortional buckling of cold-formed steel]



[Buckling of thin-walled concrete-filled tube]

**Left-hand image is from:** Piyawat, K., Ramseyer, C., and Kang, T. H.-K., “Development of an Axial Load Capacity Equation for Doubly Symmetric Built-Up Cold-Formed Sections”, *Journal of Structural Engineering*, ASCE, Vol. 139, No. 12, Dec. 2013.

**Right-hand image is from:** Nghiem, A., Kang, T. H.-K., Lee, M., Ramseyer, C., and Lee, C.-H., “Flexural Testing of Circular Concrete-Filled Tubes without Axial Forces”, *ACI Structural Journal*, Vol. 115, No. 2, Mar. 2018.

See:

<http://architecture.snu.ac.kr/>

<http://hpse.snu.ac.kr/>

<https://publons.com/researcher/3673830/thomas-kang/>

Department of Architecture and Architectural Engineering  
Seoul National University, Korea

### Education:

Ph.D., Structural Engineering, University of California, Los Angeles, California, USA

M.S., Civil Engineering, Michigan State University, East Lansing, Michigan, USA

B.S. Architecture, Seoul National University, Seoul, Korea

### Biography:

Dr. Thomas Kang is a Professor of Structural Engineering at Seoul National University, having previously served as an Assistant Professor at the University of Oklahoma and Adjunct Professor at the University of Illinois at Urbana-Champaign. He received his PhD from the University of California, Los Angeles, and his BS from Seoul National University. He is also a recipient of the Wason Medal for Most Meritorious Paper as Lead Author from ACI in 2009, and the Kenneth B. Bondy Award for the Most Meritorious Technical Paper as Lead Author from PTI in 2013. He is a Fellow of both ACI and PTI, and a member of the EU Academy of Sciences. He has done experimental and analytical buckling studies geared to enhance and codify the axial load capacity of built-up cold-formed steel sections and flexural/axial behavior of concrete-filled steel tubes.

### Professional Activities:

- Editor-in-Chief, *Wind and Structures*

- Editor-in-Chief and Founder, Journal of Structural Integrity and Maintenance
- Editor-in-Chief and Founder, Advances in Computational Design
- Editor-in-Chief, International Journal of Concrete Structures and Materials
- Associate Editor, PTI Journal
- Associate Editor, Applied Sciences
- Director of Global Education Center for Engineers, Seoul National University
- Director of Engineering Education Innovation Center, Seoul National University
- Member of EU Academy of Sciences (EUAS)
- Member of Joint SEI-ACI Committee, Composite Construction
- Member of Joint ACI-ASME Committee, 359, Nuclear Service (BPV III)
- Professional Engineer (P.E.), California, USA

### **Selected Publications:**

Alinejad, H., Jeong, S. Y., and Kang, T. H.-K., “Performance-Based Design of Tall Buildings for Wind Load and Application of Response Modification Factor,” *Wind and Structures*, 30(6), June 2020.

Hong, S., Gil Pérez, M., and Kang, T. H.-K., “Case Studies of Irregular Anticlastic Membrane Structures with Asymmetry,” *Journal of Structural Engineering*, ASCE, 114(8), Aug. 2018.

Nghiem, A., Kang, T. H.-K., Lee, M., Ramseyer, C., and Lee, C.-H., “Flexural Testing of Circular Concrete-Filled Tubes without Axial Forces,” *ACI Structural Journal*, 115(2), Mar.-Apr. 2018.

Gil Pérez, M., Kim, S., and Kang, T. H.-K., “Development of Design Aid for Barrel Vault Shaped Membrane Fabric Structures,” *Journal of Structural Integrity and Maintenance*, 2(1), Mar. 2017.

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Biggs, K. A., Ramseyer, C., Ree, S., and Kang, T. H.-K., “Experimental Testing of Cold-Formed Built-Up Members in Pure Compression,” *Steel and Composite Structures*, 18(5), June 2015.

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Piyawat, K., Ramseyer, C., and Kang, T. H.-K., “Nonlinear Buckling of Built-Up Cold-Formed Sections,” *International Journal of Theoretical and Applied Multiscale Mechanics*, 2(2), Nov. 2011.

Probst, A. D., Kang, T. H.-K., Ramseyer, C., and Kim, U., “Composite Flexural Behavior of Full-Scale Concrete Filled Tubes without Axial Loads,” *Journal of Structural Engineering*, ASCE, 136(11), Nov. 2010.