

2023 China-Japan-Korea Tall Building Forum



The 9th CJK Tall Building Forum in Tokyo

Topics in Various Specialized Fields Related to Tall Buildings

9:30am-5:30pm (JST), Friday, July 7th, 2023

Multi-Purpose Digital Hall, Tokyo Institute of Technology (Tokyo Tech)

2-12-1, Ookayama, Meguro-ku, Tokyo, Japan 152-8550

<http://www.titech.ac.jp/english/index.html>

http://www.dst.titech.ac.jp/outline/facility/hall_en.html

Organized by

**CTBUH Japan Structures Committee / Japanese Society of Steel Construction
Laboratory for Materials and Structures, Tokyo Institute of Technology**

Co-organized by

**CHEE-ASC (Committee of High-rise Habitat Environment
– The Architectural Society of China)**

Korean Council on Tall Buildings and Urban Habitat



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“Azabudai Hills”

Forum Program

Friday, July 7th, 2023

9:00 – 9:30 JST	Registration
9:30 – 9:45	Opening Address <p style="text-align: center;">Masayoshi Nakai / Director, CTBUH Japan Structures Committee Guoqiang Li / Representative of China Myung Sik Lee / Representative of Korea</p>
9:45 – 10:15 (30min.)	Keynote Lecture (Chair : Kohei Shintani / Nikken Sekkei Ltd) “Major Activities of JSSC, and Seismic Performance Evaluation for the Ultimate Limit of Steel Building Structures Considering Beam-end Fracture” (Mitsumasa Midorikawa / President, Japanese Society of Steel Construction; JSSC)
10:15–10:45	Coffee Break
10:45–12:00 (20min. x 3 +15min. Q&A)	Session 1 (Chair : Kohei Shintani / Nikken Sekkei Ltd) (1-1) “The Birth and Development of High-rise Buildings in Japan: Historical Development in Building Regulations” (Akihiko Osawa / Associate Professor, Toyo University) (1-2) “Conversion Vertical Platform : Changdong-Sanggye Start-Up And Culture Industry Complex” (Do Yong Um / Vice President, SIAPLAN Architects & Planners) (1-3) “Generative Artificial Intelligence for Structural Design of Tall Buildings” (Xinzheng Lu / Professor, Tsinghua University)
12:00–13:30	Lunch (& Short Meeting with CJK Core Members)
13:30– 14:00 (30min.)	IJHRB Awarded Lecture (Chair : Hiroshi Kawamura / Mitsubishi Jisho Design Inc.) “Designing for Occupant Comfort for Wind-excited Tall Buildings - Recent Progress” (Kenny Kwok / Professor Emeritus, The University of Sydney)
14:00–15:15 (20min. x 3 +15min. Q&A)	Session 2 (Chair : Hiroshi Kawamura / Mitsubishi Jisho Design Inc.) (2-1) “Development and Practice of Performance-based Seismic Design of High-rise Buildings in China” (Congzhen Xiao / Chief Engineer, China Academy of Building Research) (2-2) “Structural Design of a Building with High Damping Provided by Deformation Amplification Mechanisms and Tuned Viscous Mass Dampers” (Takaaki Udagawa / Structural Engineer, Associate, Nikken Sekkei Ltd) (2-3) “A Study on the Implementation of AI-based Integrated Smart Fire Safety (ISFS) System in Public Facilities” & (Myung Sik Lee / Professor, Dongguk University) “The First Performance-based Structural Fire Design for Office Building in Korea” (Min Jae Park / Assistant Professor, Pukyong National University)
15:15–15:45	Coffee Break
15:45–17:00 (20min. x 3 +15min. Q&A)	Session 3 (Chair : Atsushi Watanabe / NIPPON STEEL ENGINEERING) (3-1) “DX Challenge in Azabudai Hills” (Ayako Yasutomi / Senior Manager, Shimizu Corporation) (3-2) “Case Study on the Seismic Design Strategy for Post-quake Functional Buildings in China” (Peng Liu / Arup Fellow, Director, Beijing office, Arup) (3-3) “Implementation of Multi-trade Prefabrication Focused on MEP System” (Se Jun Jang / Assistant Professor, Kunsan National University)
17:00–17:30	Closing Address <p style="text-align: center;">Sang Dae Kim / Former President of CTBUH Akira Wada / Chairman, CTBUH Japan Structures Committee</p> Overall photography

Note: 20-min. presentation each & 15-min. overall discussion / one session

ZOOM Link: <https://zoom.us/j/91746062562?pwd=Y045dmdwakhWRDFSRnFjRzFBMStmUT09>

Meeting ID: 917 4606 2562 Passcode: CJK2023