

2014 China-Japan-Korea Tall Building Forum

Theme: Challenging in Structures for Skyscrapers

July 18(Friday), 2014, Shanghai, China

Organized by

International Exchange Committee for Tall Buildings, Architectural Society of China

CTBUH Japanese Chapter CTBUH Korea Tongji University

Registration Fees (RMB)

500 RMB, including cost of conference proceedings, venue, lunch and tea

Language

English

Form

After the presentation, speakers and delegates will have interactive discussions (interpreters available)

Venue

Tongji University, Shanghai, China

Secretariat


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Information of Speakers

Name	Position	Affiliation	Title of Speech
Satoshi YAMADA	Associate Professor	Tokyo Institute of Technology	Plastic deformation capacity of site welding type steel beam-to-column connection under long-term earthquake
Yasuyoshi HITOMI		Nihon Sekkei, Inc.	Structural Design of Toranomom Hills
Ken OKADA	Doctor	Nikken Sekkei LTD.	Structural Design of Nakanoshima Festival Tower
Jinkoo Kim	Professor	Sungkyunkwan University	Progressive Collapse and Seismic Performance of Twisted Diagrid Buildings
In Sig Lim	CEO	Hanbit Structural Engineering	Case Study of Applying CSSM for the IFC in Seoul
Jong Soo Kim	CEO	C. S Structural Engineers	Structural Design Contemplating Buildability and Construction Time of Outrigger Wall for W-project
Richard Liew	Professor	National University of Singapore	High Strength Materials for Tall Buildings
Jianlong Zhou	Chief Engineer	East China Architectural Design & Research Institute Co.,Ltd.	Discussion on efficiency of high-rise buildings
Peng Liu	Director	Arup International consultants Co.,Ltd	Form Follows Function: The Recent Evolution of Composite Construction in Tall Buildings
Lixian Dai	Chief Engineer	China Construction Steel Structure Co., Ltd	Key construction technologies of modern super high-rise steel structures


2014 China-Japan-Korea Tall Building Forum Speakers


Name	Satoshi YAMADA	
Affiliation	Tokyo Institute of Technology	
Position	Associate Professor	
Title	Plastic deformation capacity of site welding type steel beam-to-column connection under long-term earthquake	
Biography	<p>Dr. Satoshi Yamada, born in 1965, received his Dr. Eng. degree with the thesis of “Deteriorating Behavior of Steel Members Governed by Local Buckling and Ultimate Earthquake Resistance of Multi Story Moment Frame” from the Univ. of Tokyo in 1994.</p> <p>He worked as a Research Associate (Assistant Professor) at dept. of architecture, the Univ. of Tokyo from 1990 to 1998. He has moved to Structural Engineering Research Center, Tokyo Institute of Technology, in 1998, as an Associate Professor. He has been an active member of the Architectural Institute of Japan (AIJ), International Association for Bridge and Structural Engineering (IABSE), Japanese Society of Steel Construction (JSSC), Japan Association for Earthquake Engineering (JAEE) and Japan Society of Seismic Isolation (JSSI).</p> <p>His main research interest is evaluation of ultimate seismic resistance of steel building structures. Related topic of interest is seismic retrofit of steel building structures. Also, he has dealt with the general topics of steel building structures. He is one of the experts of experimental studies and response analysis. He has published 104 Journal papers related to seismic resistance of steel building structures.</p>	


Name	Yasuyoshi HITOMI	
Affiliation	Nihon Sekkei, Inc.	
Position		
Title	Structural Design of Toranomom Hills	
Biography		


Name	Ken OKADA	
Affiliation	Nikken Sekkei LTD.	
Position	Doctor	
Title	Structural Design of Nakanoshima Festival Tower	
Biography	<p>Since 2005, Mr. Okada has working on several projects in Nikken Sekkei Ltd. as a structural engineer. As an engineer in a comprehensive design firm, he always concerns about total quality of building as well as structural safety.</p> <p>Since he got doctorate in Tokyo Institute of Technology before he started his career, he is skillful in design using his knowledge in steel structure and numerical analysis as his major. On the other hand, he has been engaged with variety of projects including RC structures and seismic isolation systems, which have developed his general engineering skills and innovative mind.</p>	


	<p>His skills in solving highly technical issues were fully demonstrated in design of Nakanoshima Festival Tower, 200m high-rise complex, in which 25story office building placed above the large concert hall with top-class seismic safety. The building is embodied by employing mid-story seismic isolation system and huge truss structure supporting whole weight of office floors. Mr. Okada has good knowledge in construction practice because he worked for the tower not only as a structural engineer but also as a construction administrator.</p>
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Name	Jinkoo Kim	
Affiliation	Sungkyunkwan University	
Position	Professor	
Title	Progressive Collapse and Seismic Performance of Twisted Diagrid Buildings	
Biography	<p>Dr. Jinkoo Kim is Professor of Civil and Architectural Engineering at Sungkyunkwan University in Korea. He received his BS from Dept. of Architectural Eng., Seoul National University in Korea in 1986, and MS and PhD from Dept. of Civil and Environmental Engineering, Massachusetts Institute of Technology in US. Before joining Sungkyunkwan University he worked with Samsung Eng. & Const. Co. as a research engineer. His research interests include performance evaluation and retrofit of building structures against earthquake loads and progressive collapse.</p>	


Name	In Sig Lim	
Affiliation	Hanbit Structural Engineering Co.	
Position	CEO	
Title	Case Study of Applying CSSM for the IFC in Seoul	
Biography	<p>Mr. In Sig Lim is CEO of Hanbit Structural Engineering Co.. He received his Masters from Korea University in the field of Structural Engineering.</p> <p>Mr. Lim has an advanced hands-on experience and executes differentiated techniques in the design of tall buildings and large scaled facilities.</p> <p>He has involved in many tall building proposals at feasibility stage, both in and outside the public domain, and is currently closely involved in the construction of the Lotte World Tower(123th, 555m) in Seoul as a structural engineer.</p> <p>He also leads several professional technical teams which suggest the most appropriate and feasible solutions in order to reduce the construction period, save cost, increase safety and suggest various services as well as the best technical services. And he always strive for the buildings of the highest quality with a sustainable design and improved technology.</p>	

Name	Jong Soo Kim	
Affiliation	C.S. Structural Engineering	
Position	CEO	
Title	Structural Design Contemplating Buildability and Construction Time of Outrigger Wall for W-project	
Biography	<p>Mr. Jong Soo Kim is CEO of C.S. Structural Engineering and received his master in Structural Engineering from Chung-Ang University. He is adjunct professor of Korea University and also Chairman of Development of Construction Technology for spatial structures funded by MOCT of Korea.</p> <p>With over 30 years of experience in structural engineering, his background is a special combination of practical design experience and high technical contribution to the construction field. As a leader of C.S. Structural Engineering, he is specialized in analysis and design of high rise buildings and spatial structures. The value engineering gained from his past experience is used in the preliminary stages of project to obtain cost efficient structural design. With many talented structural engineers in C.S. Structural Engineering, he is also enthusiastically challenging for overseas projects with state of the art technology around the world.</p>	

Name	Richard Liew	
Affiliation	National University of Singapore	
Position	Professor	
Title	High Strength Materials for Tall Buildings	
Biography	<p>Richard Liew is a Professor in the Department of Civil & Environmental Engineering at the National University of Singapore. He is a Chartered Engineer in UK, a Professional Engineer in Singapore, and a Chartered Professional Engineer of the Association of Southeast Asian Nations. He is a Fellow of the Academy of Engineering Singapore, a Honorary Fellow and the Past President of Singapore Structural Steel Society and Honorary Fellow of Hong Kong Institute of Steel Construction. He has been involved in research and practice in steel structures covering a wide spectrum of interests, including light-weight and high strength materials and advanced analysis of structures subject to extreme loads, for applications in offshore, marine, defence and civil infrastructural works. He has co-authored 5 books and generated more than 300 technical publications. He serves on the editorial boards of ten international journals. He interacts closely with the industry in the Asia Pacific region serving as an expert and technical advisor and has been involved in numerous iconic steel projects. He chairs numerous committees related to standards and specifications of steel and composite structures. He is a key person responsible for the development of Singapore's codes related to steel and composite structures.</p>	

Name	Jianlong Zhou	
Affiliation	East China Architectural Design & Research Institute Co.,Ltd.	
Position	Chief Engineer	
Title	Discussion on efficiency of high-rise buildings	
Biography	<p>ZHOU Jianlong, born in 1965, Jiangyin City, Jiangsu Province, graduated from college of Civil Engineering in Tongji University in 1987, Shanghai. He is the chief engineer of East China Architectural Design & Research Institute, professor level senior engineer, 1st class registered structural engineer, with long-term experience of design and research work of high-rise and super high-rise building. He directed the design of a number of large & medium-sized projects, including Shanghai World Financial Center (101 floors), Nanjing Greenland Zifeng Tower (70 floors), Shanghai Bank Tower (46 floors), Shanghai South Railway Station, etc. He is also responsible for review of many major projects, including Expo Center, Expo Performing Arts Center, Wuhan Center Towel, Jiangsu Grand Theatre, Tianjin 117 Tower, Wuhan Greenland Center, Dalian Green Center, Suzhou Wharf Tower, China Expo Center, etc.</p> <p>He has been involved in compiling 11 national, industrial and Shanghai specification codes, obtaining National Design Golden Prize one time, National Design Silver Prize one time, first prize of Shanghai Outstanding Design Award eight times, first prize of National Outstanding Architectural Structure Award five times, first prize of Huaxia Science and Technology Award one time . He has also published about 30 papers.</p>	

Name	Peng Liu	
Affiliation	Arup International Consultants Co.,Ltd	
Position	Director	
Title	Form Follows Function: The Recent Evolution of Composite Construction in Tall Buildings	
Biography	<p>Dr. LIU Peng is an Associate Director with Arup and currently leads Arup Beijing structure team. He has substantial experiences in tall building design, seismic design and China projects. He has been involved in or responsible for structural design of many mainland China and Hong Kong projects including Beijing CBD CITIC Tower (528m), Beijing CBD Z6 Project (425m), Beijing China World Tower (330m), Beijing Fortune Plaza (260m), Tianjin Goldin 117 Tower (597m), Tianjin Kerry Center (333m), CCTV New Headquarters, Dalian Eton (380m), Hong Kong ICC (497m) etc. He is also the specialist in structural optimisation in Arup East Asian region, responsible for optimization studies for a number of signature Arup projects and providing external value engineering services.</p>	

Name	Lixian Dai	
Affiliation	China Construction Steel Structure Co., Ltd	
Position	Chief Engineer	
Title	Key construction technologies of modern super high-rise steel structures	
Biography	<p>Dai Lixian, born in March 1973, Tianmen City, Hubei Province, graduated from the Welding Engineering in Wuhan University of Hydraulic and Electric Engineering in 1995. He is a deputy director of the Expert Committee of the China Steel Construction Society, and also a professor level senior engineer, now is the chief engineer of China Construction Steel Structure Co., LTD. He has participated in steel construction of many super high-rise large-scale projects, including Shanghai World Financial Center, CCTV New Tower, Guangzhou West Tower, Shenzhen Kingkey Financial Center, Macau Tower, etc. With value experience in steel construction and on-site management of super high-rise projects, his technical team is currently involved in many construction projects: Beijing China Zun Tower, Tianjin 117 Tower, Guangzhou East Tower, Shenzhen Ping An Tower, Wuhan Greenland Center, Chongqing Ruian Tower and so on.</p>	