

CTBUH Rope-less Non-vertical Research kick-off Meeting

August 30th, 2016

CHICAGO - The kick-off meeting for the CTBUH research project entitled “A Study in the Design Possibilities Enabled by Rope-less, Non-vertical Elevators” was held at Herman Hall of the Illinois Institute of Technology in Chicago on August 30th, 2016. The research aims to study the possibilities in the design enabled by the application of rope-less, non-vertical elevator systems, presented by representatives from Thyssenkrupp AG during the meeting. The Research Office invited leading experts involved in the various fields of the tall building design to the meeting, including structural designers, experts in vertical transportation, real estate, consulting, and fire safety.

After a brief welcome and general presentation of the research project done by Dario Trabucco, research manager of CTBUH, the representative team of Thyssenkrupp AG presented information on their company and MULTI, the innovative rope-less, non-vertical elevator system they are preparing to launch next year. This new system would create a lot of new possibilities in the design process of both buildings and of modern cities, which have been limited by the evolutionary bottle neck of conventional vertical transportation systems. Similar ideas have been previously proposed by other experts in vertical transportation, but Thyssenkrupp AG is the first to transform this idea into a reality.

The scope of the research is to find out if a significant innovation in vertical transportation could change the underlying formula of the skyscrapers and cities. To reach this goal, experts would have a steering role in supporting the research. In the coming months, expert panels, led by steering committee members, will focus on different aspects of the design process, giving their personal input on the possible constraints preventing the full exploitation of non-vertical elevator installations in relation to their specific field. The CTBUH research team will manage and organize all the phases related to this project over the next two years.

Is a new “generation” of towers and cities approaching?

Will these “genetically modified buildings” trigger a radical change in the way buildings and cities are designed, and how will this affect the lives of their inhabitants?

Steering Committee Members

Antony	Wood	CTBUH
Dario	Trabucco	CTBUH
Peng	Du	CTBUH
Martina	Belmonte	CTBUH
Robin	Cheeseright	D2E International VT Consultants Ltd
Steven	Edgett	Edgett Williams Consulting Group
Ervin	Cui	Jensen Hughes

Alberto Alvarez	Rodriquez	Jensen Hughes
Rob	Chmielowski	Magnusson Klemencic Associates
David	Crowell	RMC International
Luke	Leung	Skidmore Owings & Merrill LLP
Dennis	Poon	Thornton Tomasetti
Karl-Otto	Schöllkopf	Thyssenkrupp Elevator – Team MULTI
Markus	Jetter	Thyssenkrupp Elevator – Team MULTI
Thomas	Kuczera	Thyssenkrupp Elevator – Team MULTI
Benjamin	Brandes	Thyssenkrupp Elevator – Team MULTI
Matthias	Glück	Thyssenkrupp Elevator – Team MULTI
Stefan	Gerstenmeyer	Thyssenkrupp Elevator – Team MULTI
Jürgen	Frantzheld	Thyssenkrupp Elevator – Team MULTI
Sean	Ahres	Jensen Hughes
Nick	Mullholland	Alinea Consultin
Peter	Weismantle	AS+GG Architecture