

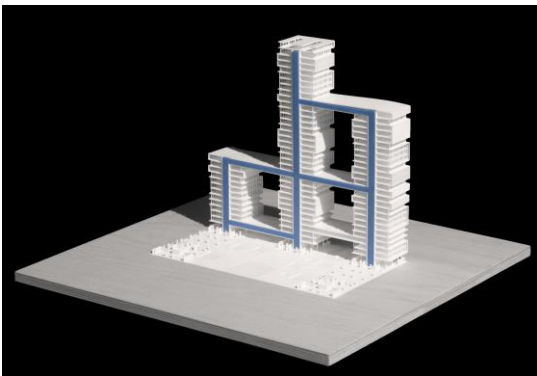
A Study on the Design Possibilities Enabled by Rope-Less, Non-Vertical Elevators Project

October 30 – November 3, 2017

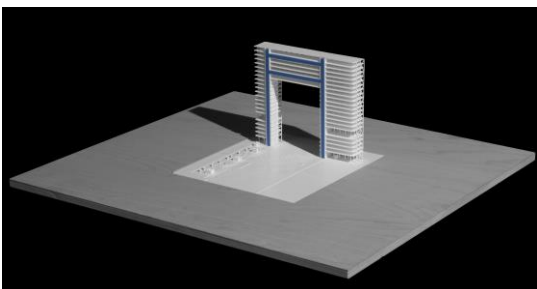
SYDNEY – During the CTBUH 2017 Conference held in Sydney from October 30 to November 3 2017, the CTBUH research booth enlightens delegates about the activities undertaken by the Research Division based at the Luav University of Venice.

The representatives of the research team explained all the researches completed and those ongoing, among which there is the Rope-less and non-vertical elevators project. The research has been presented by Dario Trabucco, CTBUH research manager and PI of that research, through an explicative short video, which traces the different phases of the research and briefly summarizes the questions that the research groups involved have posed and the first results achieved.

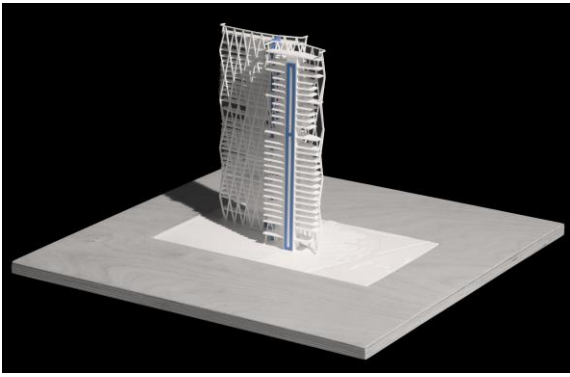
Among the early studies and results of the research, at the booth have been exposed some interesting building models designed by the architectural students of the Luav University of Venice during a studio class. The challenge assigned to the students was to approach the high-rise building type from a completely new perspective, applying – and starting from – a new way of circulation within the buildings made possible by the application of rope-less and non-vertical elevators. This assumption allowed the young designers to think about cluster of buildings connected each other at different levels according to the functions or other principles. In other towers the shafts were designed to combine both the private and the public circulation, thus diminishing the core footprint and setting new proportion between net- and not-rentable areas, obviously in favor of the first one. These projects are part of the overall research and will be used and studied as important case studies, giving the possibility to directly face which will be the possibilities – but also the issues – deriving from a real application of this innovation in the design process.



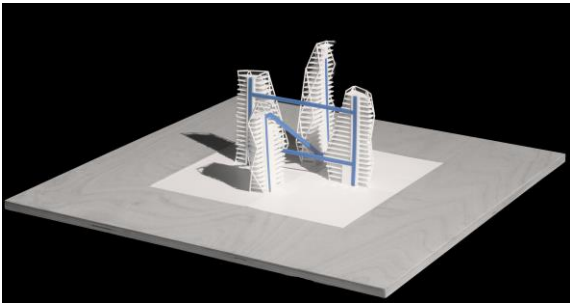
caption: Students: Cottin, Covre, Mottisi and Previtali



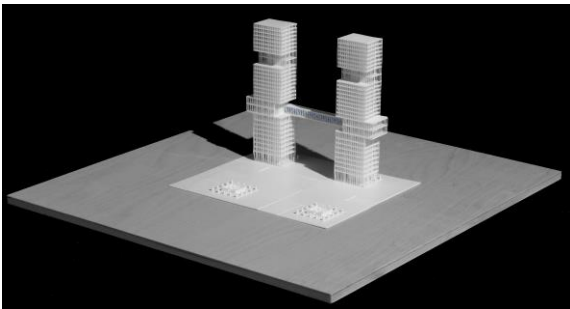
caption: Students: Biasotto, Focaccia and Paladin



caption: Students: Lupia and Salerno



caption: Students: Pavan, Poletto and Tonello



caption: Students: Benvegnù, Lazzarini and Tibaldo