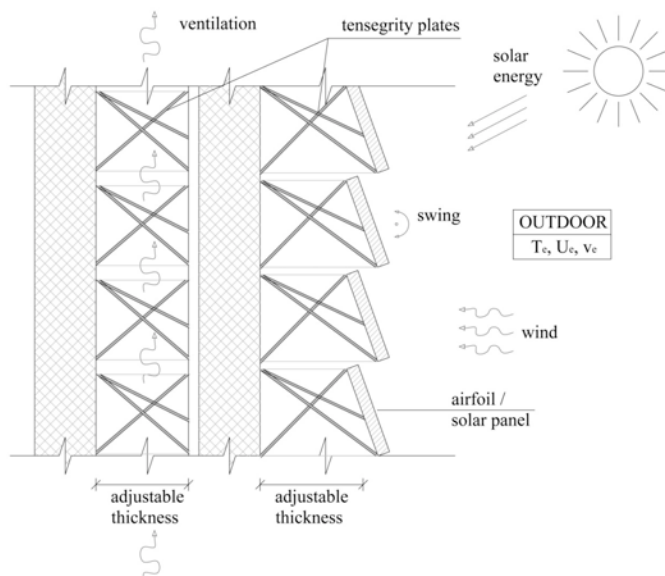


University of Salerno – University of California, San Diego Scientific and Technologic Cooperation – Innovative Structures for Energy Efficient Buildings

The research project "INNOVATIVE STRUCTURES FOR ENERGY EFFICIENT BUILDINGS" has been granted by the Italian Ministry of Foreign Affairs, within the call "Science and Technology Cooperation between Italy and the United States of America" for the years 2014 – 2015.

The project develops collaborative research between the Department of Civil Engineering of the University of Salerno (DICIV/UNISA) and the Department of Mechanical and Aerospace Engineering of the University of California at San Diego (MAE/UCSD). The Principal Investigator of the UNISA unit is Fernando Fraternali, while the P.I. of the UCSD unit is Mauricio de Oliveira. The UNISA unit includes several affiliated faculty members of DICIV.

The granted project deals with the design and control of a special class of Energy Efficient Buildings, which exploit the structural paradigm "tensegrity" at different levels (primary and secondary structures) in order to respond to the natural environment by changing their mechanical and Heating, Ventilating and Air Conditioning (HVAC) properties.



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