We will be focusing on a research and teaching project entitled *Radical Wood Pavilion Shanghai 2012* accomplished by *Design+Analysis Research Group* at Aalto University Department of Civil and Structural Engineering.

The targets of the project were the following: (1) serve as a prototype project for strengthening the research and teaching activities between the departments of engineering, architecture and design at our site university; (2) study and develop new technologies of computational structural engineering combined with parametric and algorithmic architecture and design — for wood construction, particularly; (3) design, analyse, manufacture and construct a wooden pavilion and its furniture reflecting the immersed multidisciplinarity of the project team; (4) exploit both classical and modern design and analysis methodologies — combined with both classical and modern manufacturing technologies.

The project was related to *Radical Design Week Shanghai 2012*, one of the *World Design Capital Helsinki 2012* satellite events.

For curiosity, some other research activities of our department will be addressed in brief as well.

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