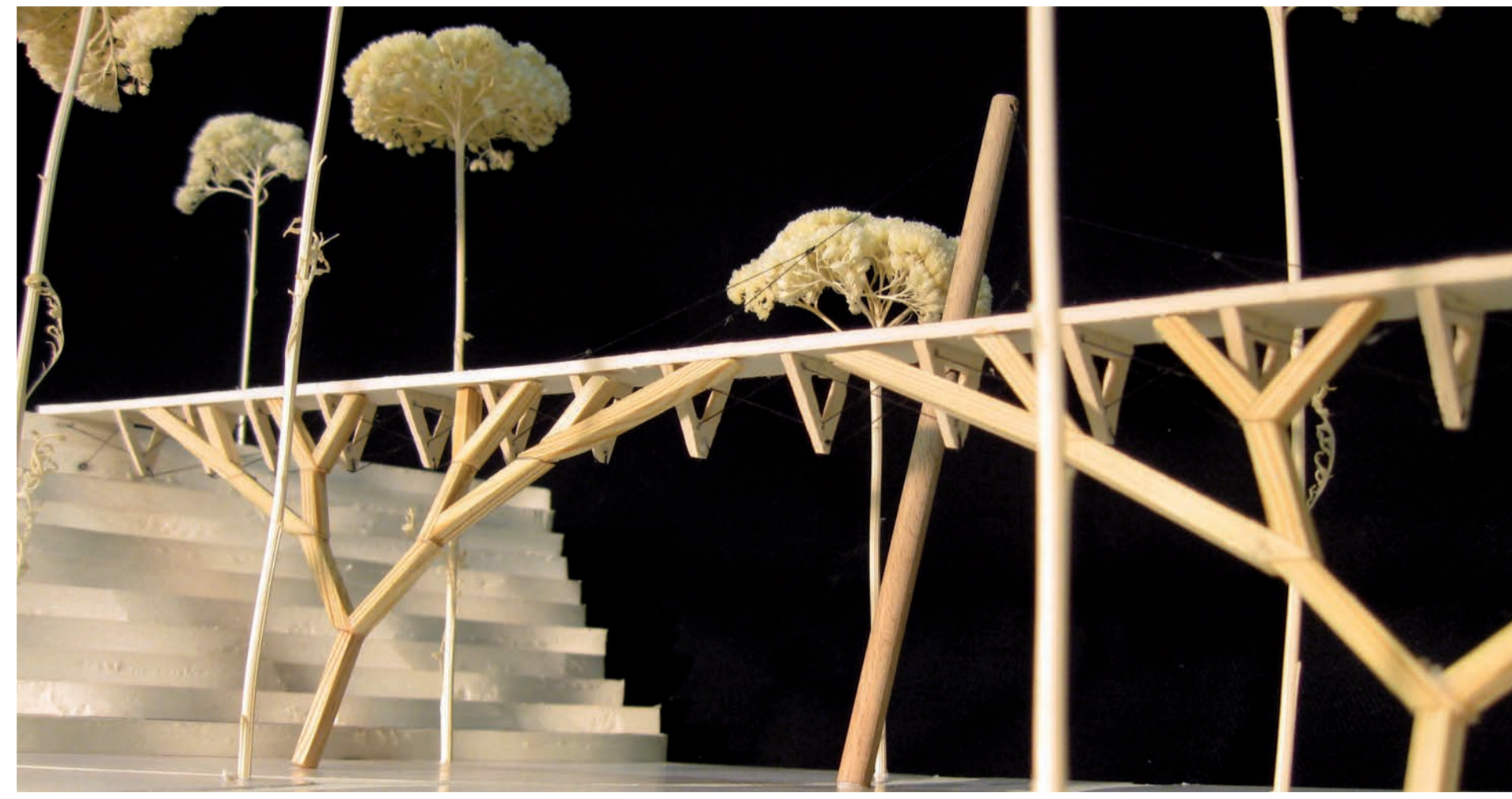
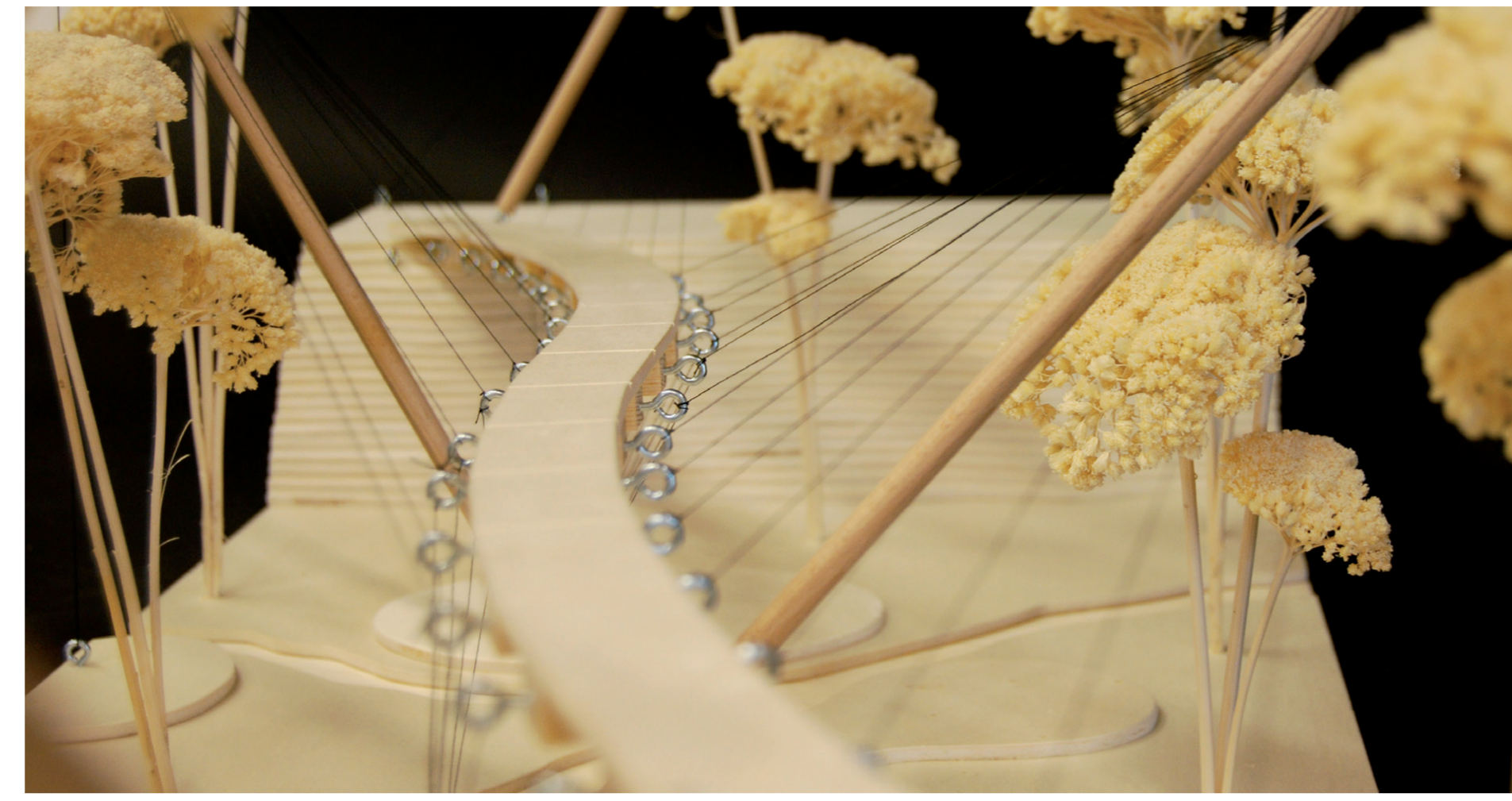


Structural Design I - Student Design Projects



Gereon Rolvering, David-Lloyd Ruggiero



Moritz Berchtold, Annina Gutherz, Sylvia Vultier



Gianluca Ceriani, Basil Jensen



Emil Schaad, Jannik Weisser

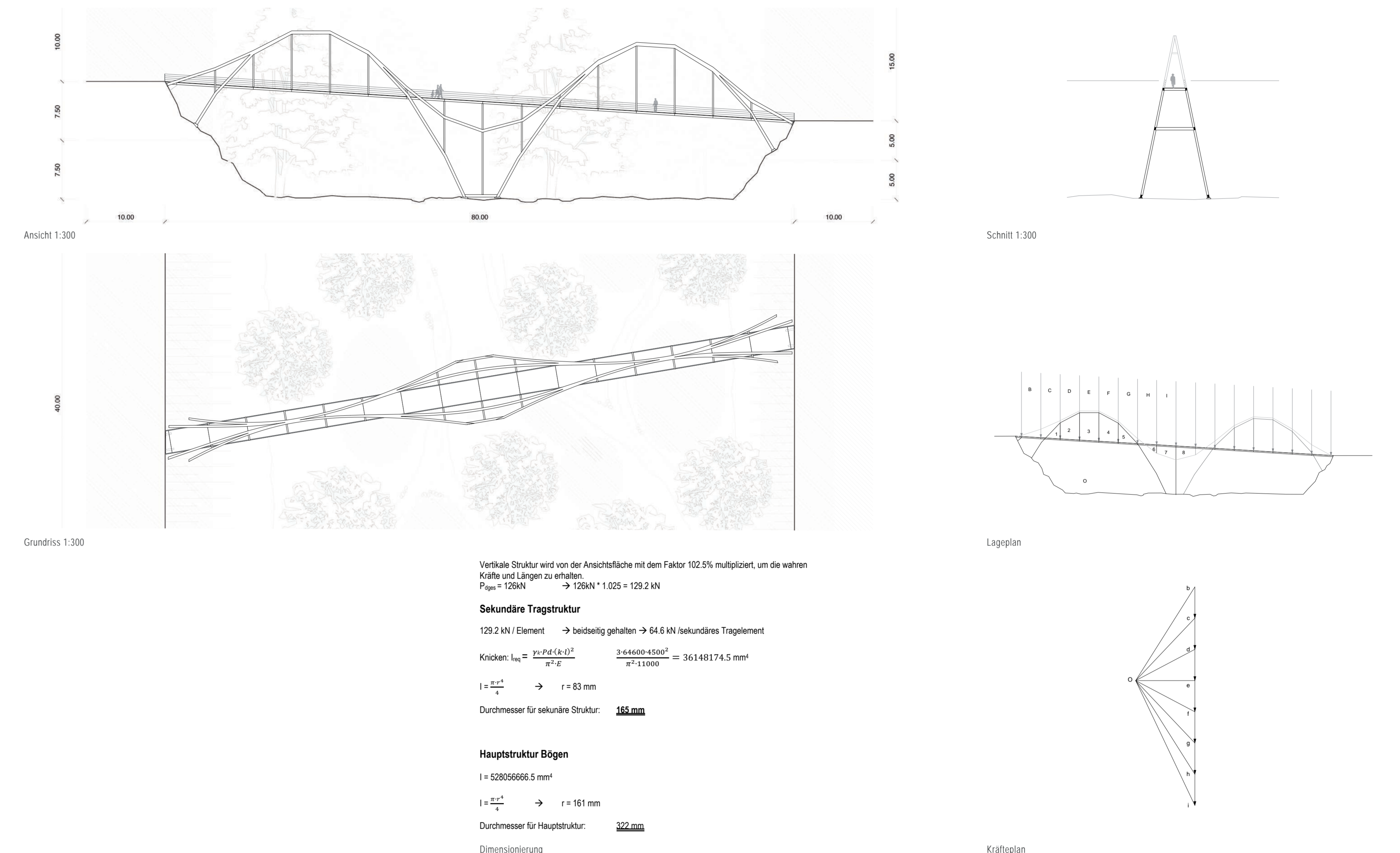
Nature Experience Catwalk

Assignment:

Design a catwalk over a nature preserve. The design should preserve the character of the landscape and make it accessible to the public as a national park. This accessibility is achieved by the proposed catwalk, which offers the visitors not only a path through the trees, but also an experience of a varied and exciting biodiversity. Make a reasonable choice for the structure, using your knowledge of cable, arch, cable-stayed, fan-like or tree-like structures. You cannot cut trees and the supports cannot land in the swampy areas.



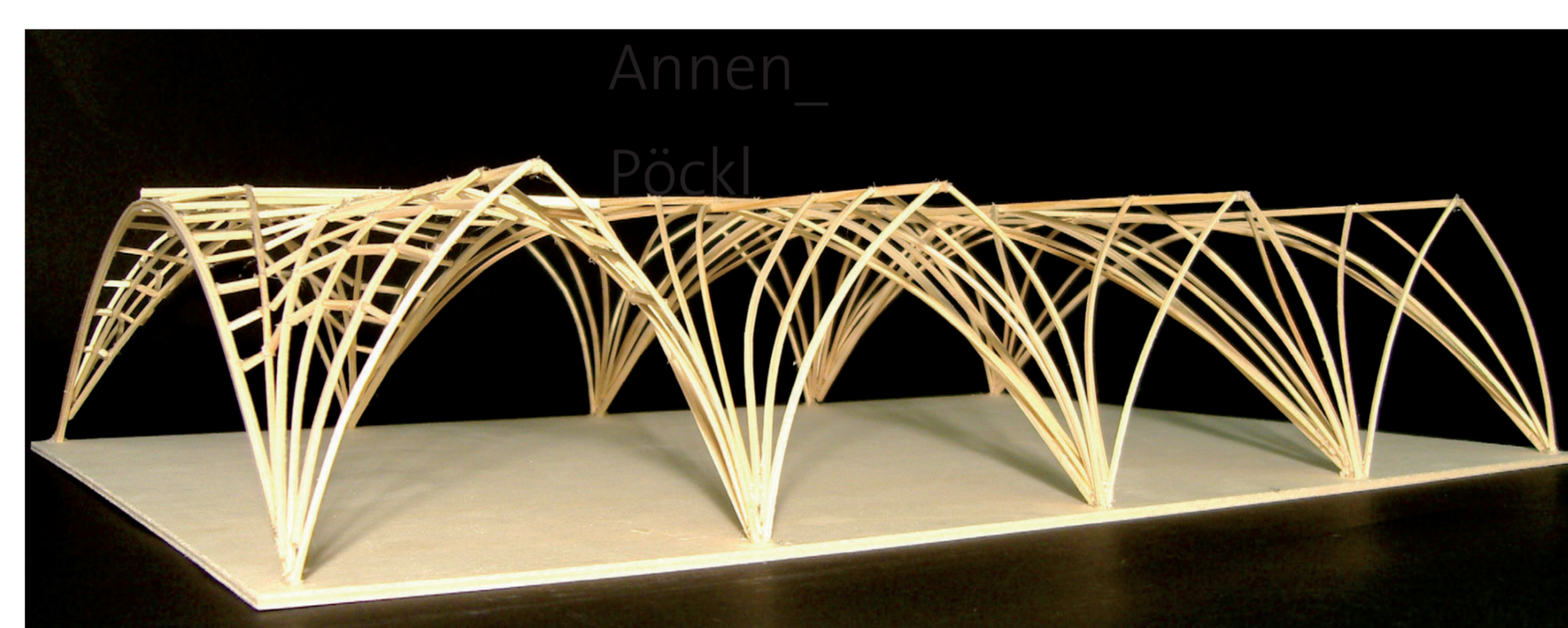
Matthias A. E. Annen, Michael H. Pöckl



Structural Design II - Student Design Projects



Jonatan Egli, Valentin Buchwalder



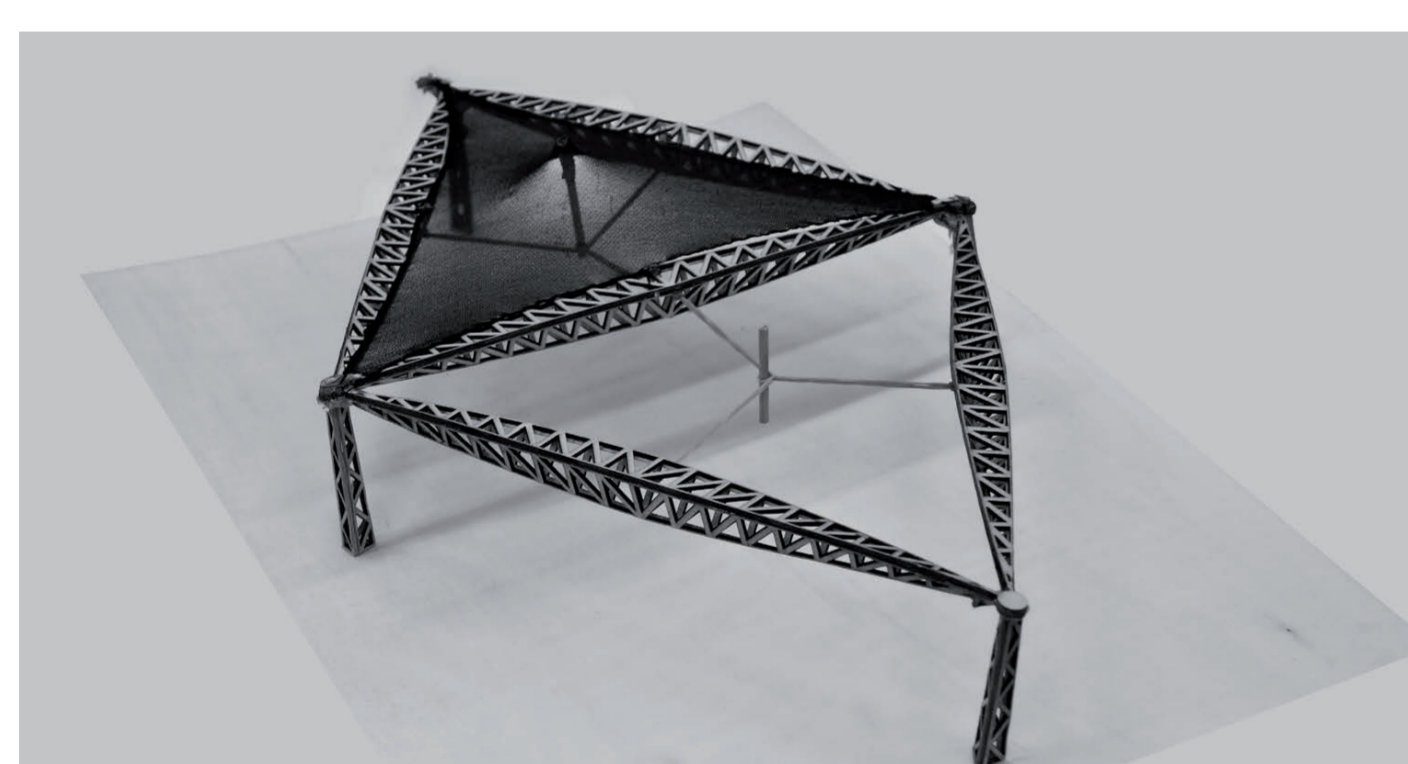
Zeynep Kayalar, Roxanne De Raeymaecker



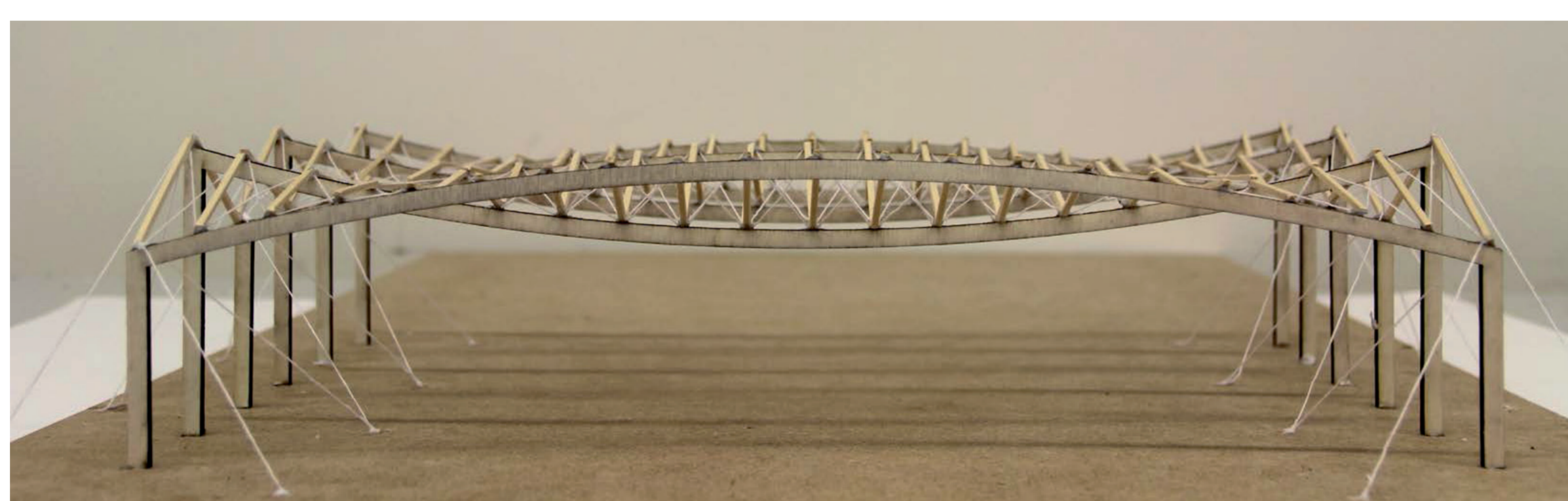
Julius Grewe, Rellmann, Simon Reist



Manuel Blum, Sebastian Heusser



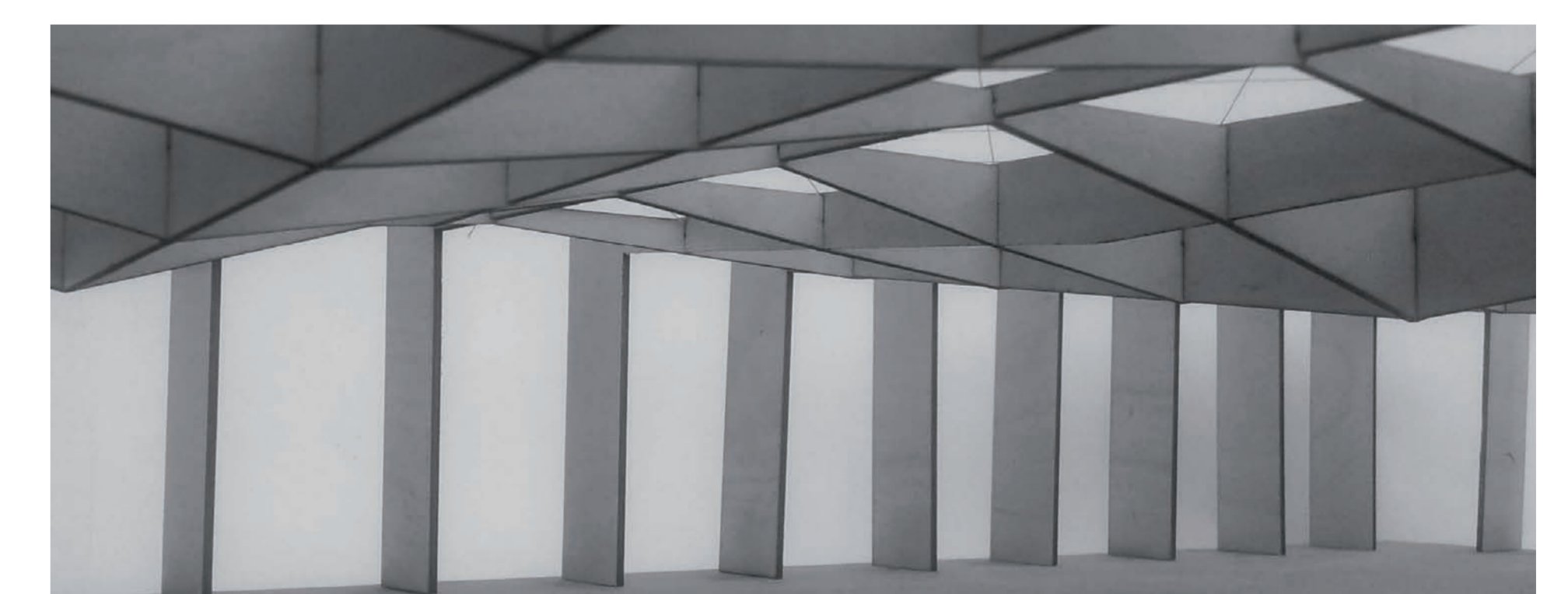
Ramon Weber, Philipp Klostermann



Jens Knöpfel, Tiziana Schirmer



Myriam Uzor, Benjamin Graber

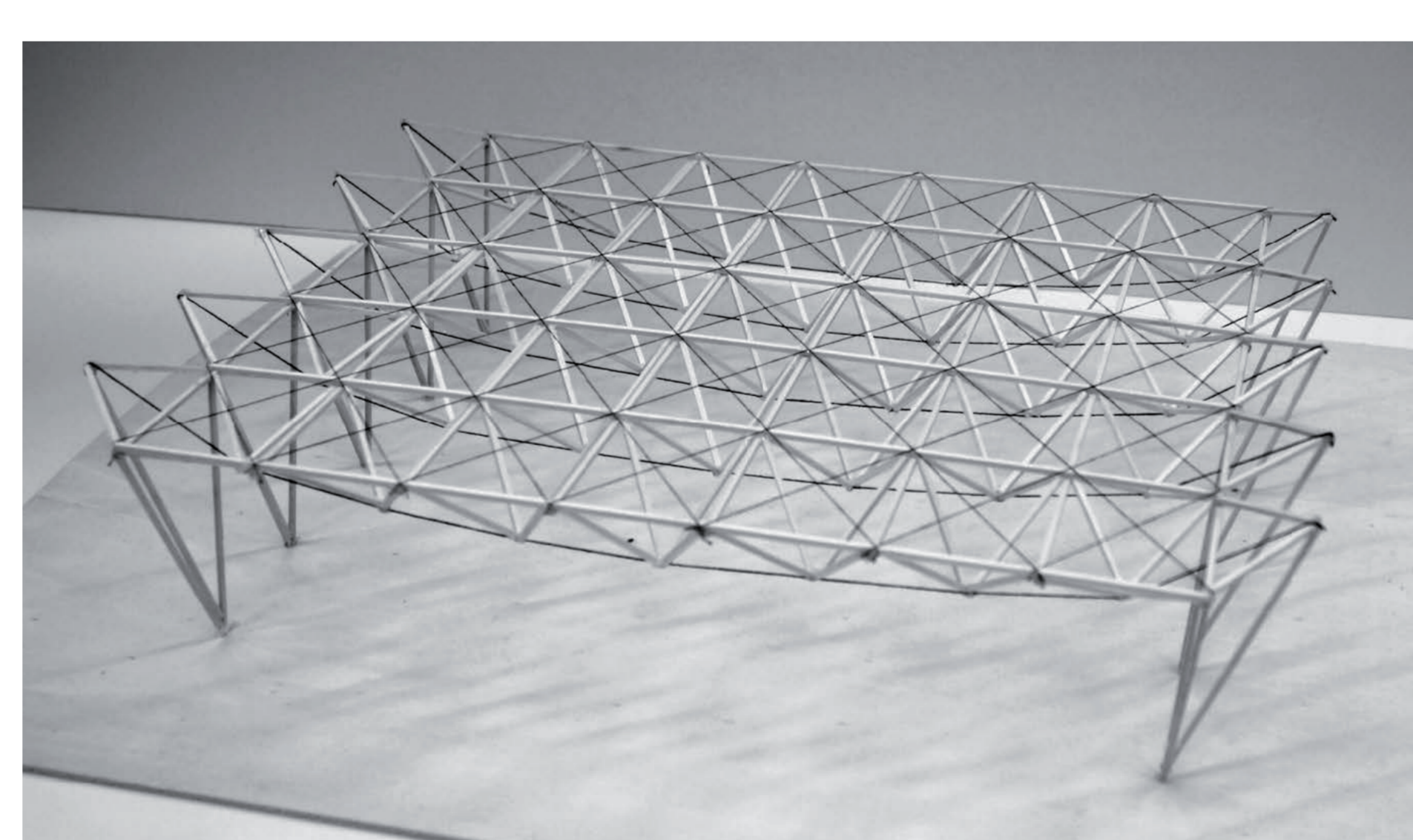


Matthias A. E. Annen, Michael H. Pöckl

Long-span Modular Roof

Assignment:

The Institute of Technology in Architecture is planning a covered construction hall to build and test large prototypes. Design a long-span roof structure for this research hall on the Science City campus. The goal is to cover an area of 60 x 40 m, with a column free area of 50 x 30 m and a minimum clearance of 6 m inside; the maximum height for the structure is 9 m. Allow for a robot crane (with a maximum live load of 25 kN) to be hung at one of the three specified points on the diagonal axis of the hall's footprint. Flexibility, extendability and functionality are the most important criteria for the design.



M. Leuthold, J. Westerheide

