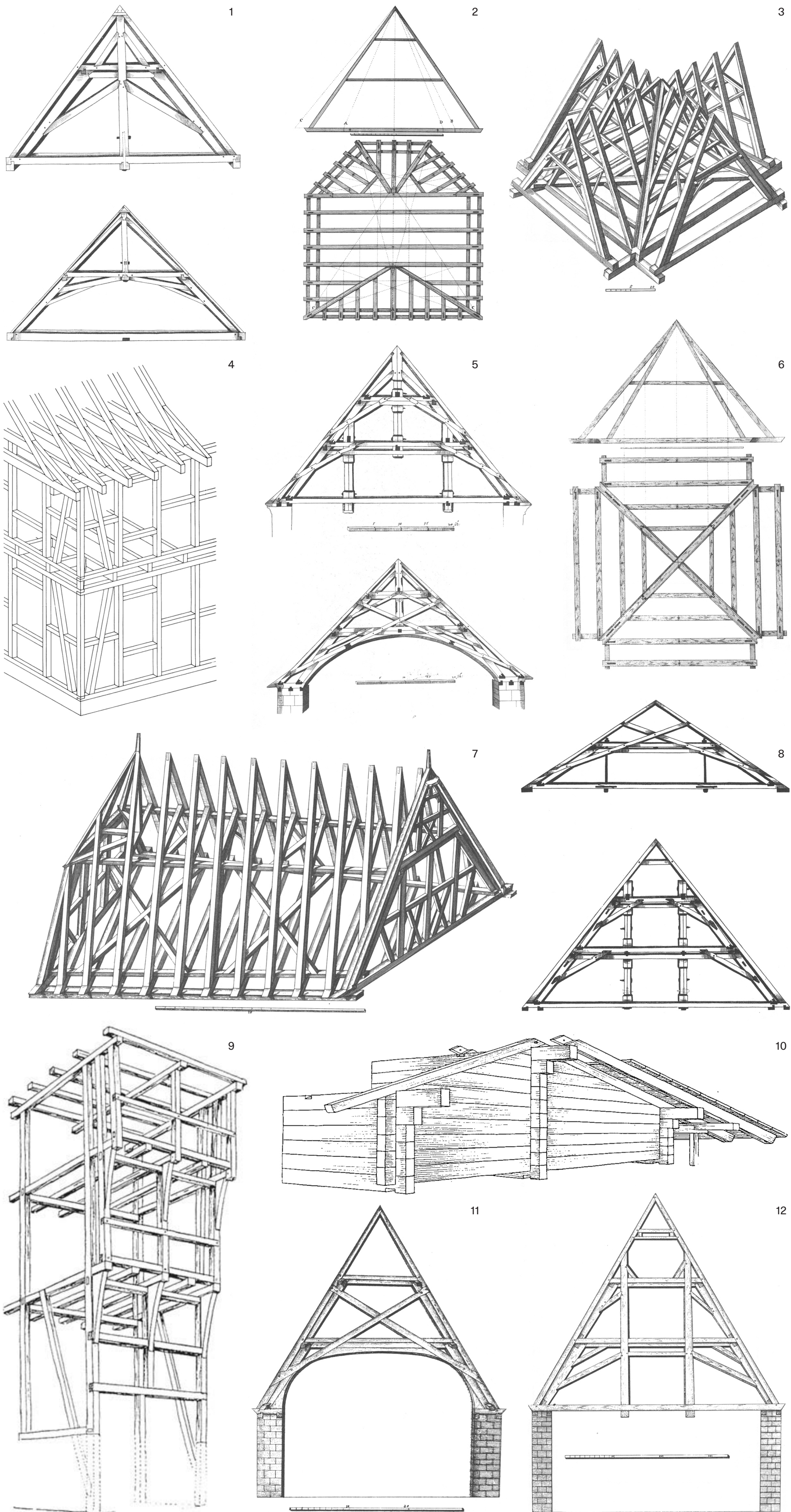


Studio Bow-Wow ETHZ

Architectural Behaviorology

Call for Entries



1-3, 5-8,11-12 Various roof constructions, J. Wilhelm "Architectura Civilis - Holzbaukunst", 1668, P. 14ff, P. 68ff  
4 Typical construction of a timber frame house, Lignum "VI. 2 Holzbau / Holzbausysteme", 1960, P. 6  
9 Cantilevered timber frame, K. Zwenger "Wood and Wood Joints", 2012, P. 172  
10 Log wall and rafter construction in Valais, H. Phleps "Der Blockbau", 1942, P. 126

The development of modern technology and industry in the 20th century has constructed a barrier between our everyday life and local resources such as nature, human skills, and their knowledge. Architectural Behaviorology is our architectural design method which focuses on creating a better accessibility to such resources. Our objective is to cultivate these resources in order to rediscover their forgotten potential through the lens of ethnographical network, and activate them by proposing an architectural design. The program under the Chair of Architectural Behaviorology focuses on 6 themes along 6 years: 'Window Behaviorology' 'Genealogy of Architectural Typology' 'Urban-Rural Exchange' 'Urban Hybrid' 'Urban Commons,' developing one theme both in Japan and in Switzerland/Europe each year.

Design Studio 2019SS

Timber Behaviorology

in Switzerland

We can think of timber construction as something behaving in between human and nature, that can be regarded as the local culture of our built environment. This year, through the lens of Architectural Behaviorology, we focus in particular on designing a timber construction, learning to find its meanings at various scales, while comparing between Japanese and Swiss building culture.

Both Japan and Switzerland have abundant timber resources of trees planted artificially during the period of economic growth in the last centuries. Today these resources are suffering from the pressure of the global market, and from the disappearance of skills and knowledge of traditional carpentry due to the mechanization of the industry.

Our field of study in the spring semester will be in Glarus, one of the richest Cantons in Switzerland in term of forests. In the design studio, students will examine the existing actor network of timber construction with design method— from traditional to modern—and at multiple scales—from territory to detail—in order to understand the relationships between buildings and society, visualizing them by actor network maps with an ethnographical approach. Then, through drawings and models, the students will propose a reimagined timber construction as an intervention within this network, for a better future of Glarus.

Students choosing design class Kaijima in priority 1 during internal enrollment do not choose a seminar week in SS 2019. Trip to Switzerland during seminar week is highly recommended and will be credited as seminar week by Chair Kaijima.

Professor: Momoyo Kaijima  
Supervisor: Yoshiharu Tsukamoto  
Expert: Mettler/ Studer Chair for Construction and Building Technologies  
Studio Assistants: Christoph Danuser, Diana Zenklusen  
Language: English

Seminar Week 2019SS

Timber Behaviorology

in Switzerland

In the spring semester 2019, Studio Bow-Wow offers a trip to investigate the theme of Timber Behaviorology in Switzerland. In a week-long trip, we will visit different villages in Glarus, Grisons and Valais, chosen for their unique contexts of timber architecture related to construction systems, culture, and industries. Field works, lectures by specialists, visits to traditional local craftsmanship and a contemporary factory, along with visits to selected architectures will deepen the knowledge on the theme. We will also visit historical and contemporary buildings in order to understand timber construction in the context of today's architectural practices.

The trip will be an integral part of the design studio, giving the students an opportunity to visit the site and to experience its broader context. The students will investigate the interaction between architectural elements, townscape and people's lives, as well as understand cultural and historical implications, all of which would be essential insights for their projects.

Enrolment in this seminar week is mandatory for students attending the design studio.

Students choosing design class Kaijima in priority 1 during internal enrollment do not choose a seminar week in SS 2019. Trip to Switzerland during seminar week is highly recommended and will be credited as seminar week by Chair Kaijima.

Professor: Momoyo Kaijima  
Supervisor: Yoshiharu Tsukamoto  
Trip dates: March 18th – March 23th, 2019  
Cost category: B  
Language: English