This is the BioMat research group’s first pavilion, a doubly curved wooden shell made of lightweight curved wood and biocomposite elements, supported by three intersecting wooden beams. All elements can be dismantled after usage, re-used in new projects. The hinges geometry requires a 3D wooden shell but curved elements are linked in all directions by means of construction joints. The development of new aesthetics, approach to production, and design manufacturing techniques and data flow management. The design was the result of collaboration between experienced architects and students from the Institute of Architecture and Urban Planning and several other institute at the University of Stuttgart and international partner institutions.

Design: Kerstin C. Otter, Ben El Halawany
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THE FACULTY

The study of architecture in Stuttgart goes back to the 19th century. In the early 20th century the『Stuttgart School』established new standards in both innovative and conventional building. After the Faculty was re-established in 1946 this heritage was revised and reignited to explore and pursue modern developments in architecture. Stuttgart has one of the biggest and most prestigious faculties of architecture in Germany – 16 institutes, headed by prominent experts in their field, supported by a broad-based team of academics, teaching staff and visiting lecturers and guests. The Faculty provides its students with a wide spectrum of teaching with the distinctive combination of architecture and urban planning.

FACILITIES

From day 1 students work in small groups in workshops under the individual supervision of experienced architects. This form of study perfectly complements the teaching provided in lectures, seminars and requires students to play an active role in projects.

All students are free to use:

• the Faculty library, which has a huge selection of journals and current literature.

• the «casino IT» computer pool with fully equipped computer workstations, lending facilities, training/tutorials, experimental lab, virtual reality system, virtual acoustics and plotterservice.

• the Faculty workshops for analogue and digital construction of architectural models, wood and metal construction, sculpturing and photography and the «RoboLab» for producing computer-generated prototypes and materials systems.

THEY PROVIDE

Students who wish to pursue a career in urban design and planning can conduct a design studio in the international context and take a certificate in international urban planning. It seeks to train experts and decision-makers who are well equipped to deal with the challenges of today’s cities and to be able to develop and implement successful planning concepts. The study programme can also be further extended by pursuing a thesis project at one of over 100 partner universities worldwide. The Faculty actively encourages students to spend a semester at one of over 100 partner universities abroad and this can be incorporated into the student’s individual curriculum. Graduates can continue an academic career and go on to acquire a doctorate in engineering sciences (Dr.-Ing.) and a doctorate in philosophy (Dr. phil.).

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FACILITIES

PROTOTYPE CONSTRUCTION WORKSHOP
K1, Annex 2.01 - 2.02

TEXT LAB
K1, Annex 2.03 - 2.04

MODEL WORKSHOP
Breisachstr. 2, Annex 1.01 - 1.02, 1.03

ARCHITECTURAL PHOTOGRAPHY WORKSHOP
K1, Annex 2.01 - 2.02

SALES OF MATERIALS
K1, Annex 2.01 - 2.02