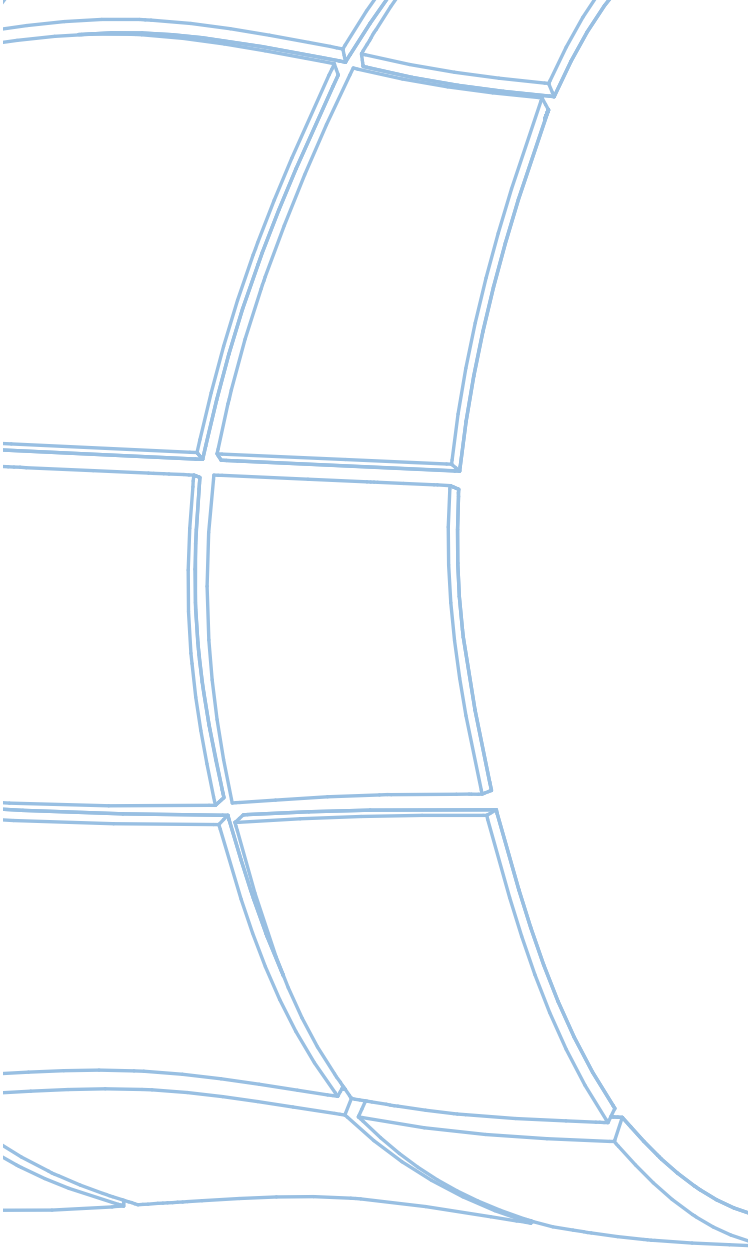




FLEXIBLE
MOLD

Explanation

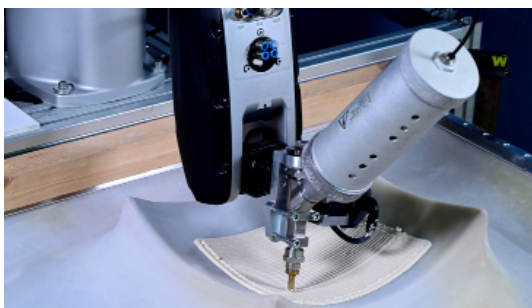
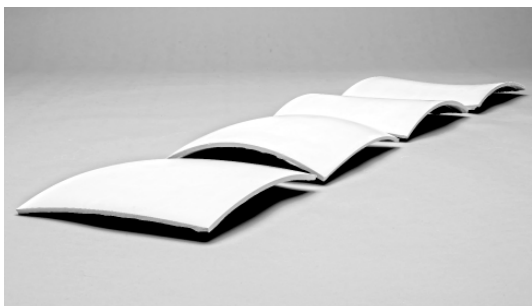
This course Flexible Mold „Folly“ explores innovative design strategies for free-form structures in architecture and art, where objects emerge through the interaction of individual elements. Building on previous research, students develop a buildable 1:1 “folly” through physical modelling, material experimentation, and advanced fabrication techniques for complex geometries.

A key focus lies on refining a single design from concept to construction readiness, including structural evaluation, material testing, and the optimisation of customised components using innovative technologies such as Flexible Mold for doubly curved panels. Working in specialised teams, students bridge conceptual exploration with real-world implementation and develop a full-scale architectural prototype in collaboration with industry partners.

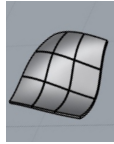
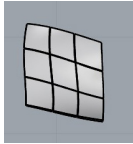
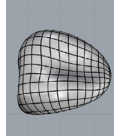
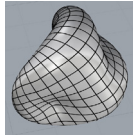
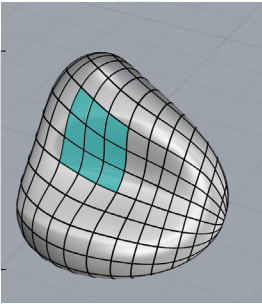
Duration: WS25/26 SS26
Link: <https://flexiblemold.com/>

Senior Scientist Arch. Dipl.-Ing. Florian Rist
Univ.Lektor Dipl. Poell Anna

Explanation



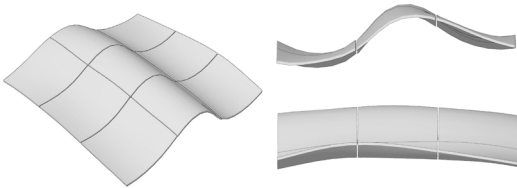
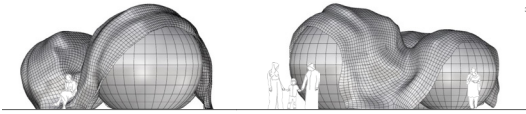
Interlace



Organic shapes create an inviting playground for children and the young at heart. But also a place to rest. The lively pattern gives way to joyful use.

Ahmet Öztürk
Dilara Kazancı
Natalie Konjari

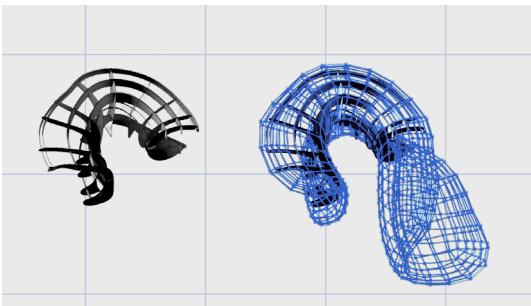
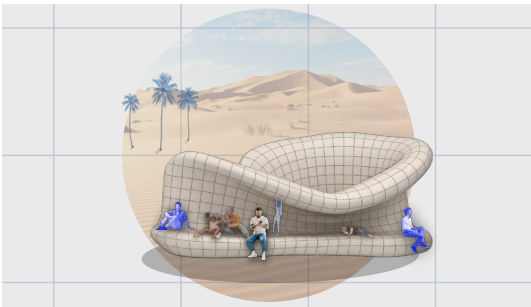
Desert Hut



A veil is laid over three assembled imaginary spheres forming a hut. A shelter from the harsh environment of the desert. Burlap integrated in the panels provide an archaic and haptic immersion.

Marlene Höpfner
Evgeniia Gorlova

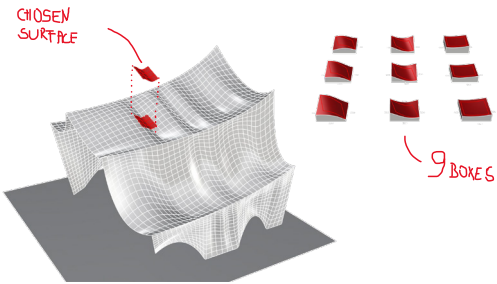
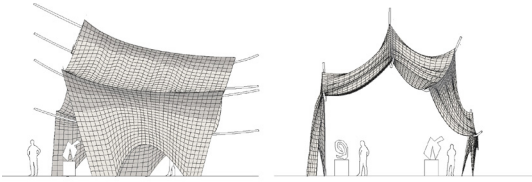
Curved Hyperboloid



This bench in the shape of a curved hyperboloid not only encapsulates the gesture of rest during the heat of daytime but also invites to wonder during night time. Resting and shrouding converge.

Lidia Balan
Paola Damari Samperio

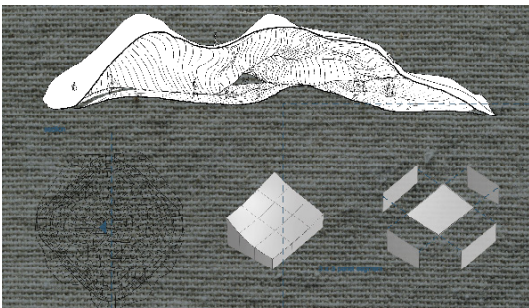
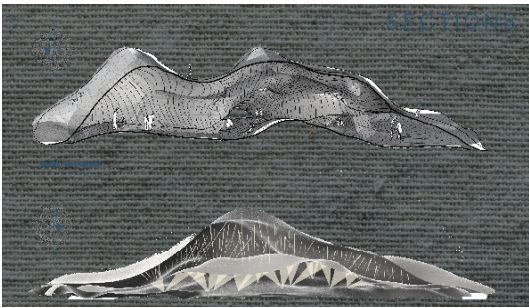
Wavescape



A roof though being shaped like a tent provides shade through connected panels via node holders. A great hall is the result not an inside but a roofed plaza.

Magdalena Grozeva
Julia Ahm

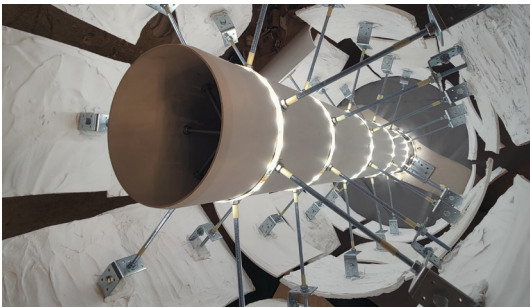
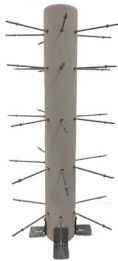
Mother



Mother is an experience of light and space.
light shines through the hovering structure
partially dulling the outside world providing
safety like a womb.

Lea Schneeweiss-Worel
Nick Szabo

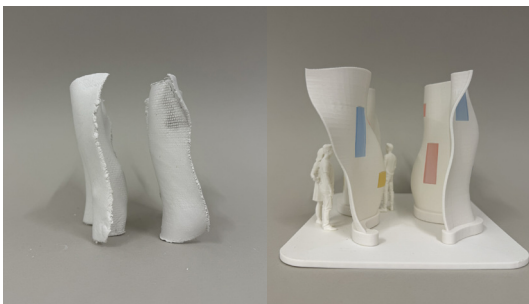
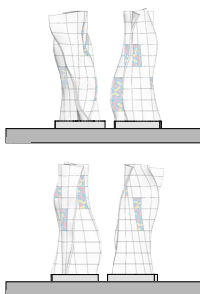
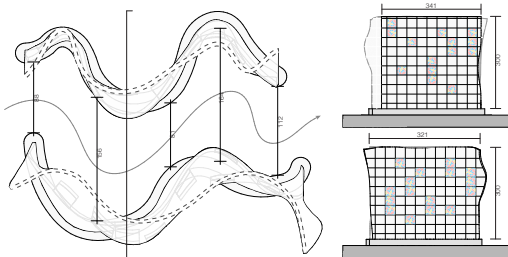
Column



Exploring the traditional windtowers of the arabian world column reinvents the experience of shade and cooling gusts of wind. A park of towers in different sizes.

Anastasia Muntianu Ioana
Roman Bitzinger
Rezai Fereshtah

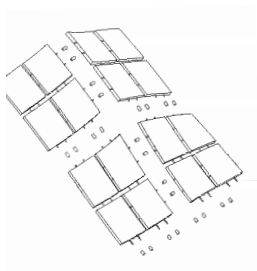
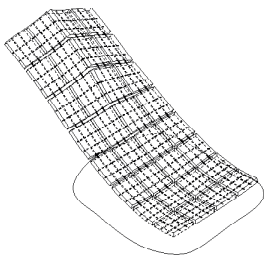
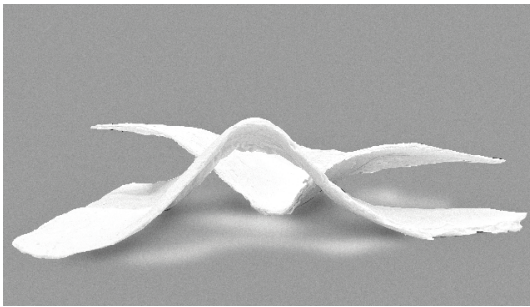
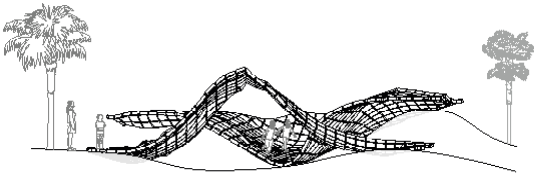
Follow the Path



Drapes seemingly formed by the wind offer a path to explore. Light shadow and colour create an atmosphere that invites both lingering and exploration.

Halime Ünal
Aysel Dilara Özgül

S(l)andart



An homage to the dunes of the desert this structure not only provides a topographical experience but also a place to gather and cool off.

Konstantin Aeugle
Jakob Leismüller
Sebastian Sottner

