GRAMAZIO KOHLER RSRCH E EA



ETH zürich

2BRICKS2GETHER

An exercise on Mesh Subdivision, Implicit Modeling, 3D printing & Design

October 11th, 2021











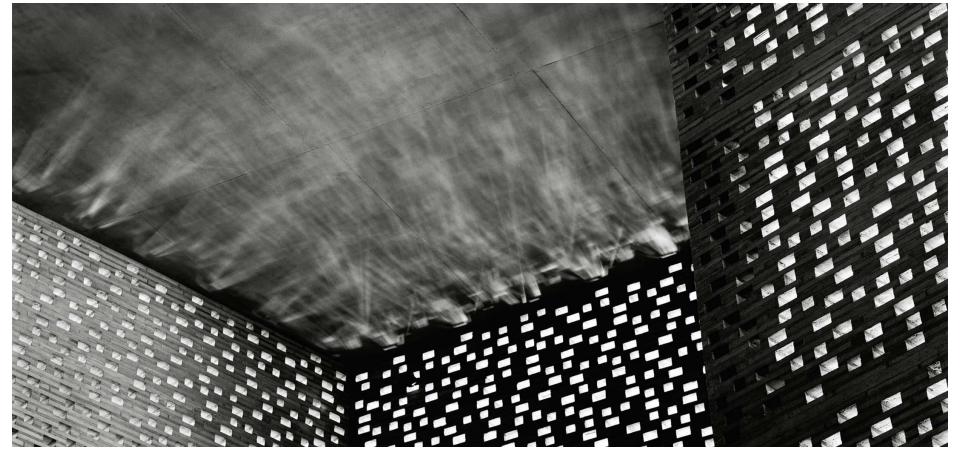
'Architecture starts when you carefully put two bricks together.

There it begins'.

Ludwig Mies van der Rohe







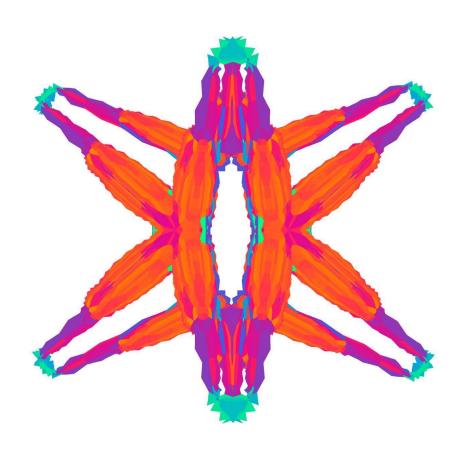
Kolumba Art Museum, Zumthor

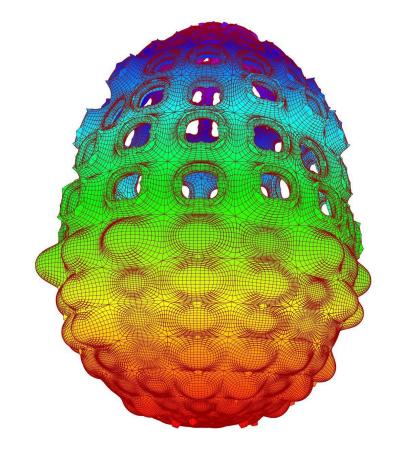


Use Mesh Subdivision...









Software: Mola Library, Dillenburger, Shammas, Bernhard

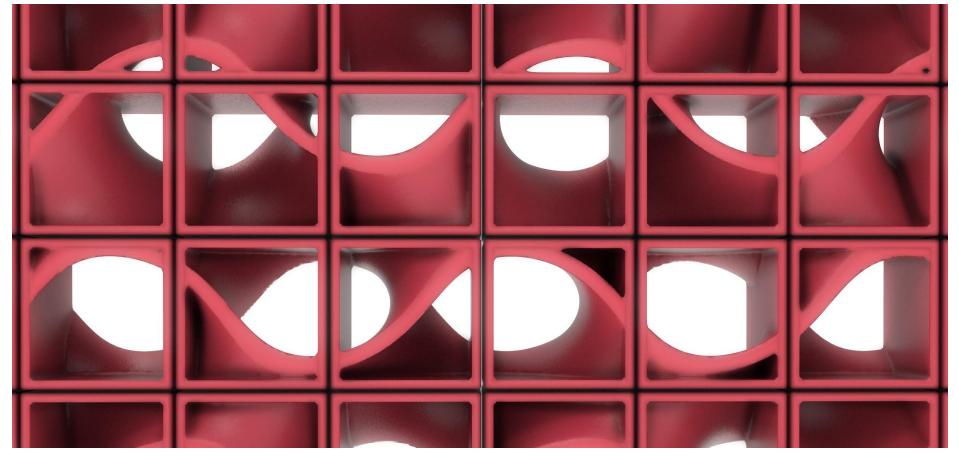




...or Volumetric Modeling...







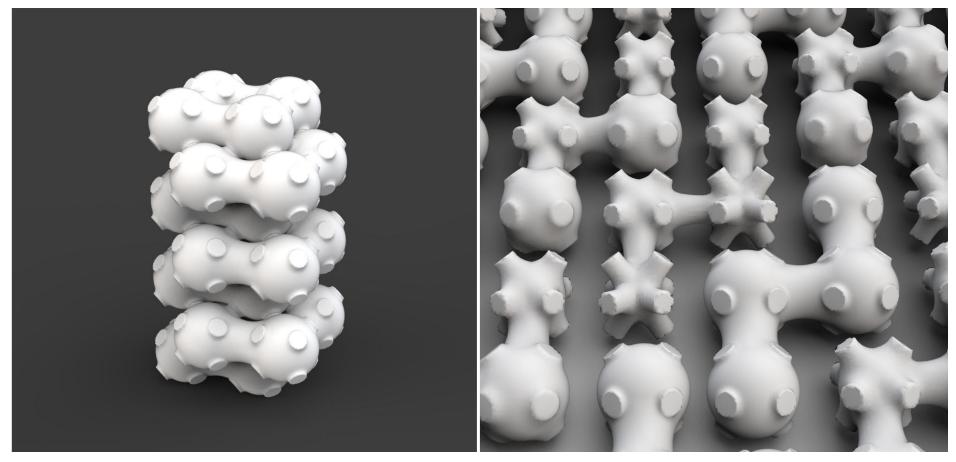
Software : Axolotl, Bernhard



...to design smart bricks...

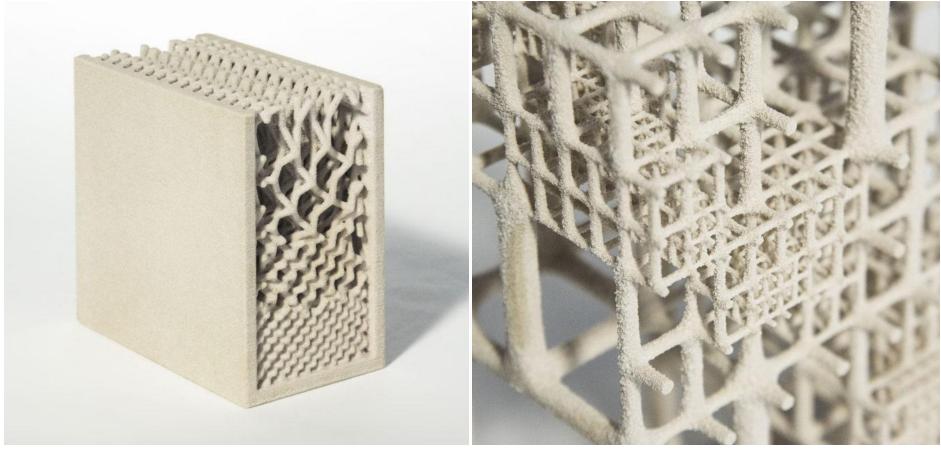






Prof: Bernhard - Students: Mangliar, Schulte





Prof: Bernhard, Anton, Bedarf - Students: Pastrana, Regalado



...within a bespoke composition.





SUBMISSION

GROUPS

. 6 groups total (5x3 + 1x2) . 1 3D printer per group (Cluster's Prusa)

CONTENT

. Concept with mood images and sketches
. Algorithmic strategy / Major features of your program (using Mesh Subd or VM)
. Researches and iterations / From digital (renderings) to physical (3D prints)
. Final proposal / At least 3 renderings (+ 3D prints optional)

FORMAT

. 10 min presentation + 10 min discussion . Google slides / Use the template on your Gmail drive . Presentation in the cluster and remote on zoom (guests)

DATE

Presentation on October 22nd from 3 pm to 5 pm





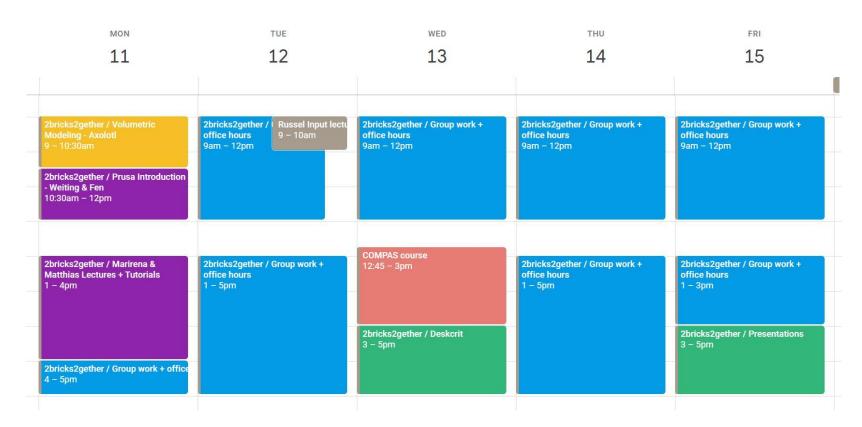
WEEK 1





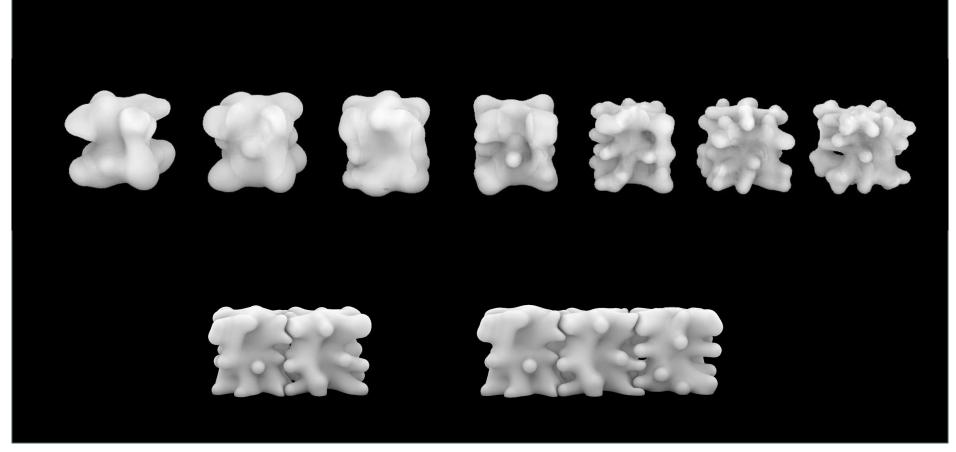


WEEK 2









Tutors: Mitropoulou, Skevaki, Clemente - Students: Maneka, Griffioen, Anthraper

