Institute for advanced architecture of Catalonia | BARCELONA

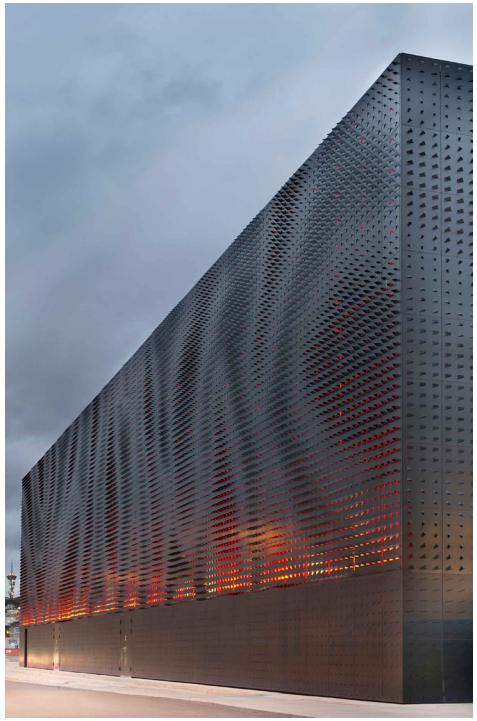
Reference

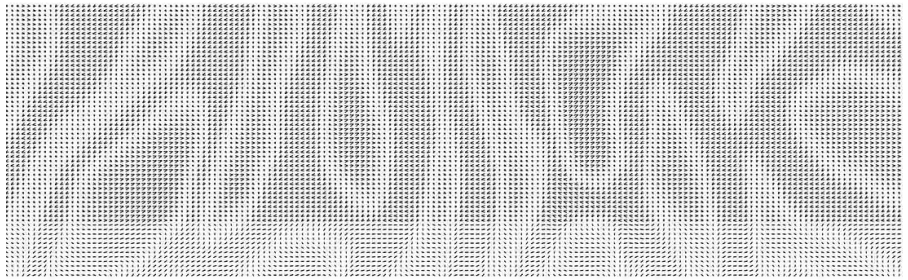
Architects: Space Group

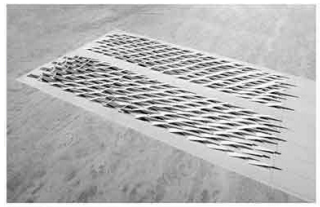
Location: Trondheim, Norway

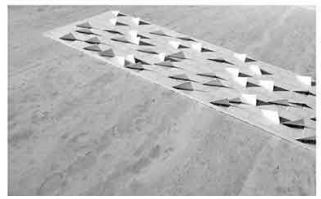
Project Development Team: Gary Bates, Gro Bonesmo, Adam Kurdahl, Anne Wodstrup, Fredrik Krogeide, Gesine Gummi, Claudia Laarman, Thomas Bang Jespersen, Jens Niehues

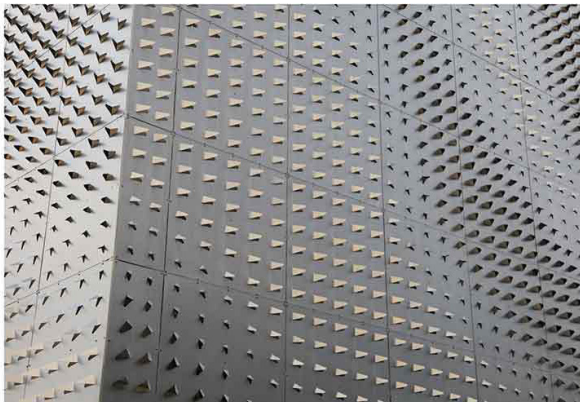
Project Year: 2012











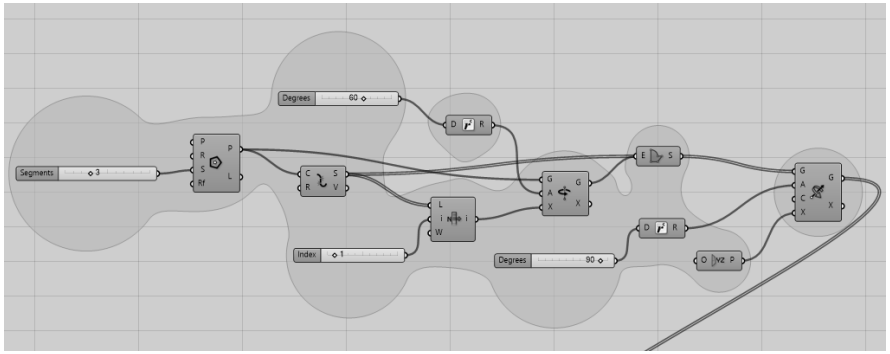
MASTER IN ADVANCED ARCHITECTURE
SO.3 COMPUTATIONAL DESIGN
2018/2019

TUTORS: RODRIGO AGUIRRE, DAVID ANDRES LEON
ASSISTANT: DANIIL KOSHELYUK

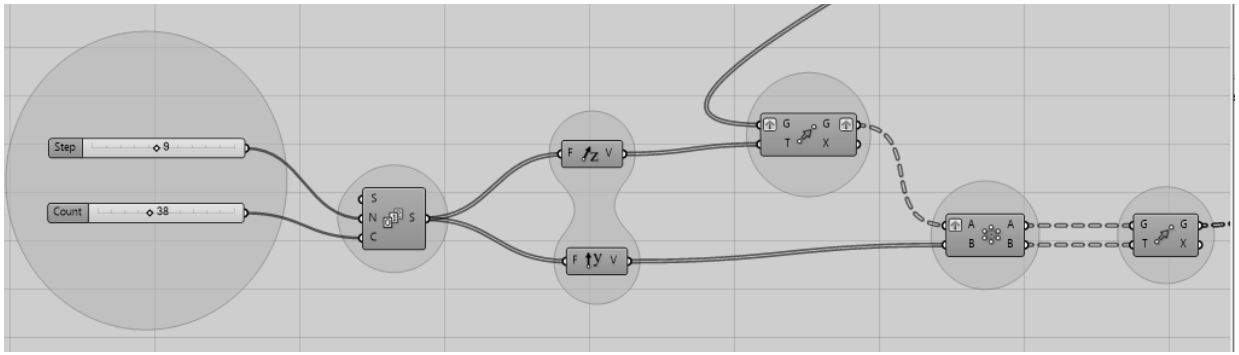
Clarion Hotel & Congress Trondheim

ELIF KARAMUSTAFA

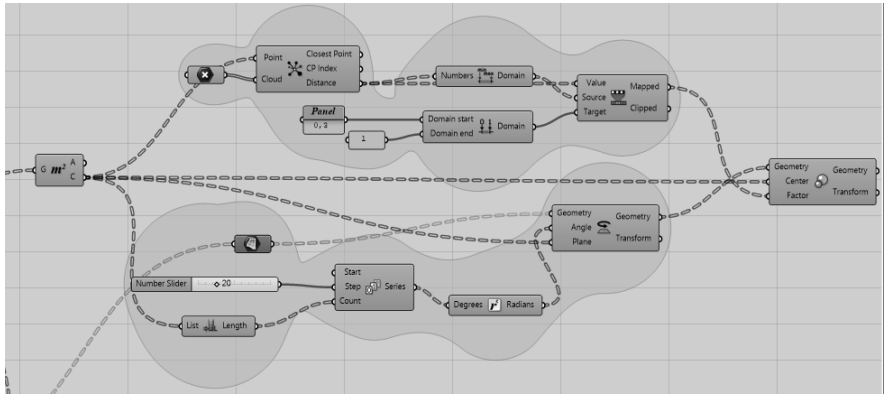
PSEUDOCODE



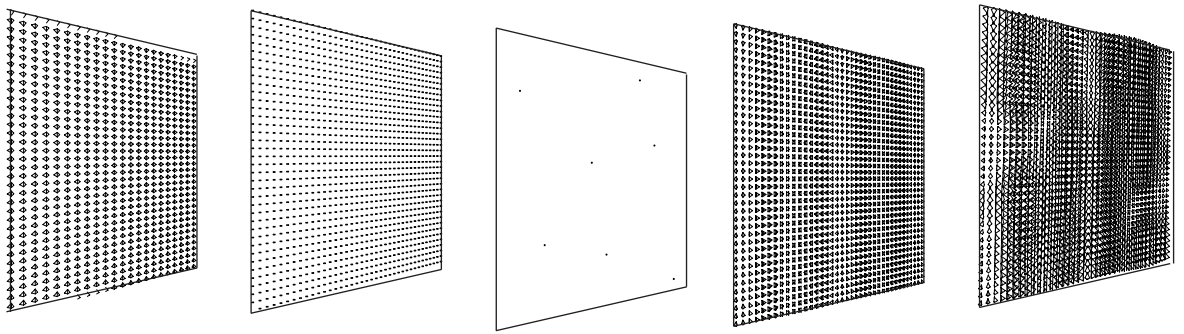
-Create a 3 sided polygon
-Rotate the triangular shape around the center point and create a folded plane



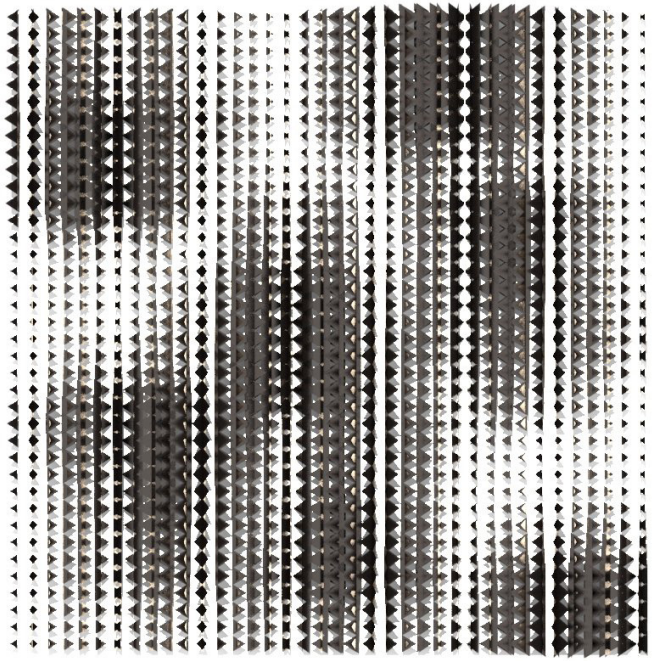
-Move the folded plane along Z and Y axis
-Determine the area and the centroid points of folded planes

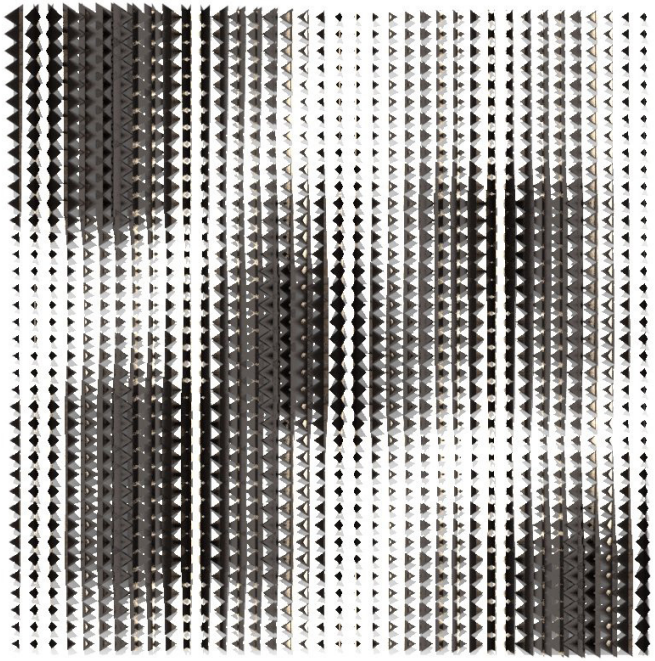


-Interpolate some points and find the closest points
-Rotate the folded plane surfaces in order to achieve a parametric pattern
-Merge the rotated surfaces with the mapped numbers



ITERATIONS





Difference in rotation and multiple points.

