

Mathieu VENOT

mathieuvenot.com



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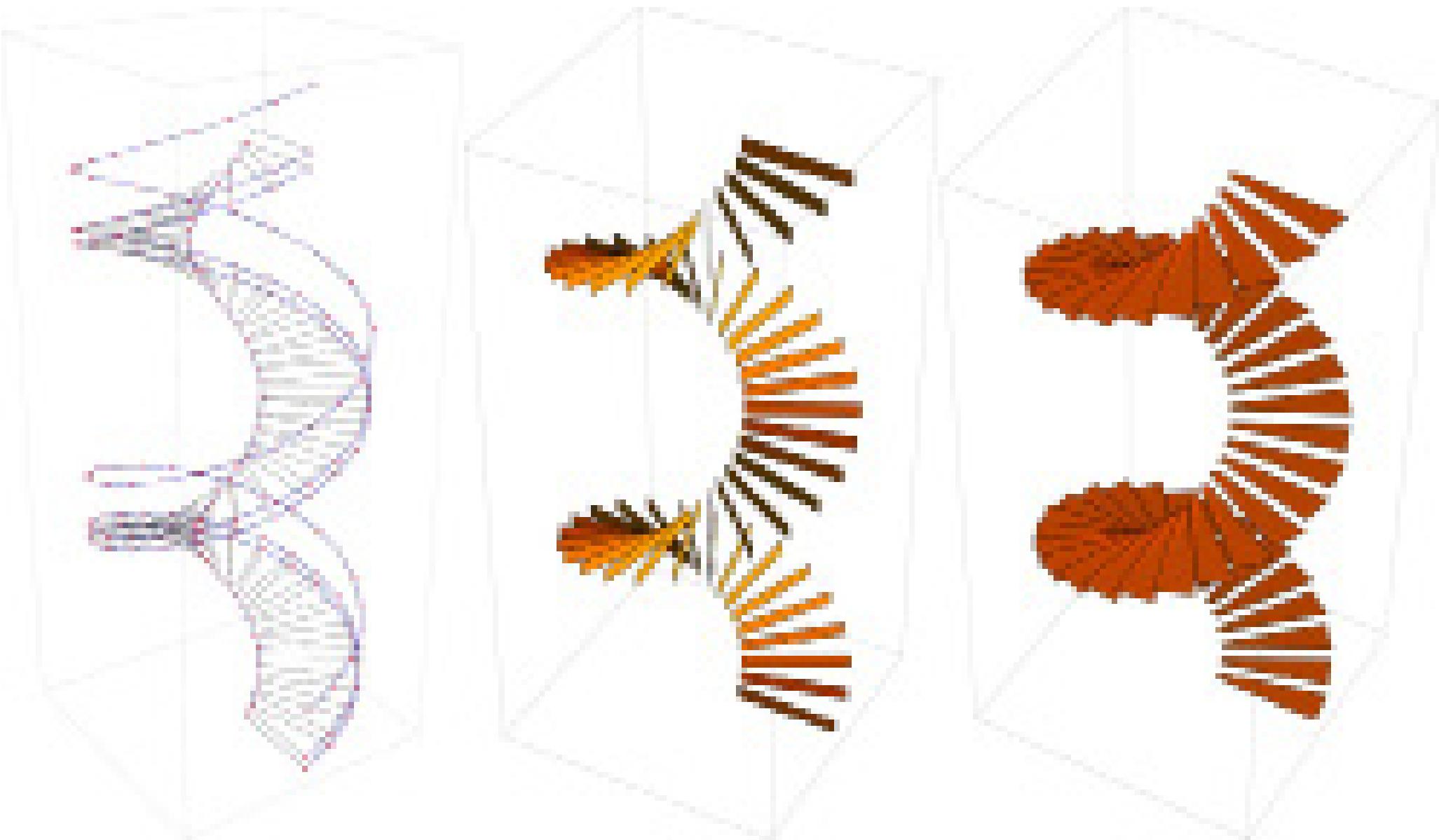
Architect, M.Arch
Co-founder DixieVR
Born September 30, 1990

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- Academic

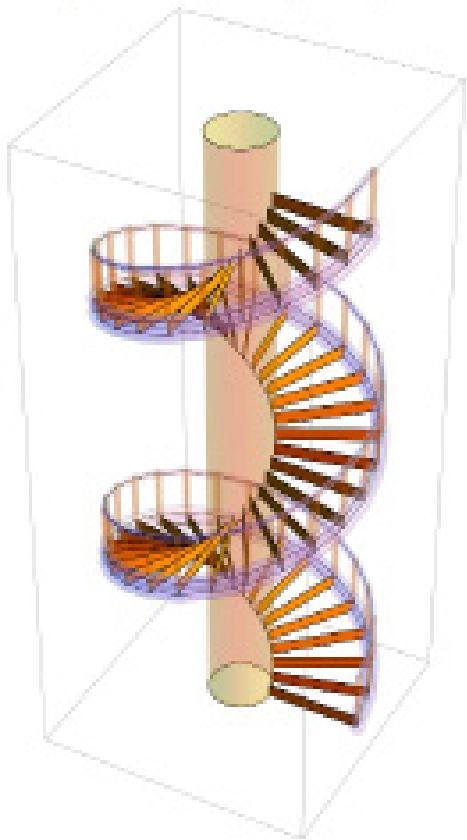
- Teaching

- Freelance



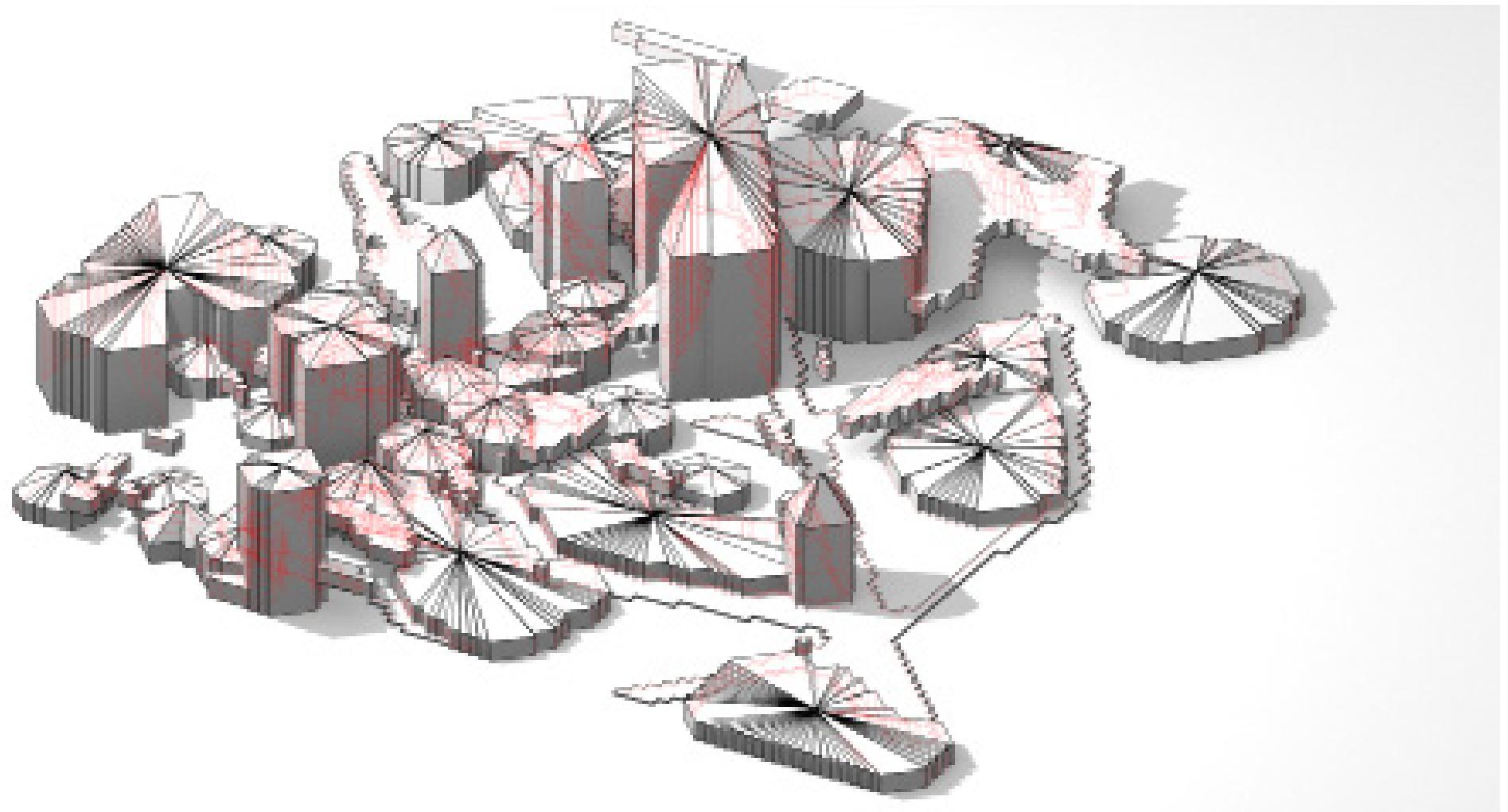
Mathematical programming
Helicoidal stair construction by mathematical operations
[Academic]

```
Show[{nonbezier1, nonbezier2, ligneh, lignehnes, tube, lignegarde,
lignemarche, tubegarde, surfon, tubemarche, tubeext, barriere}]
```

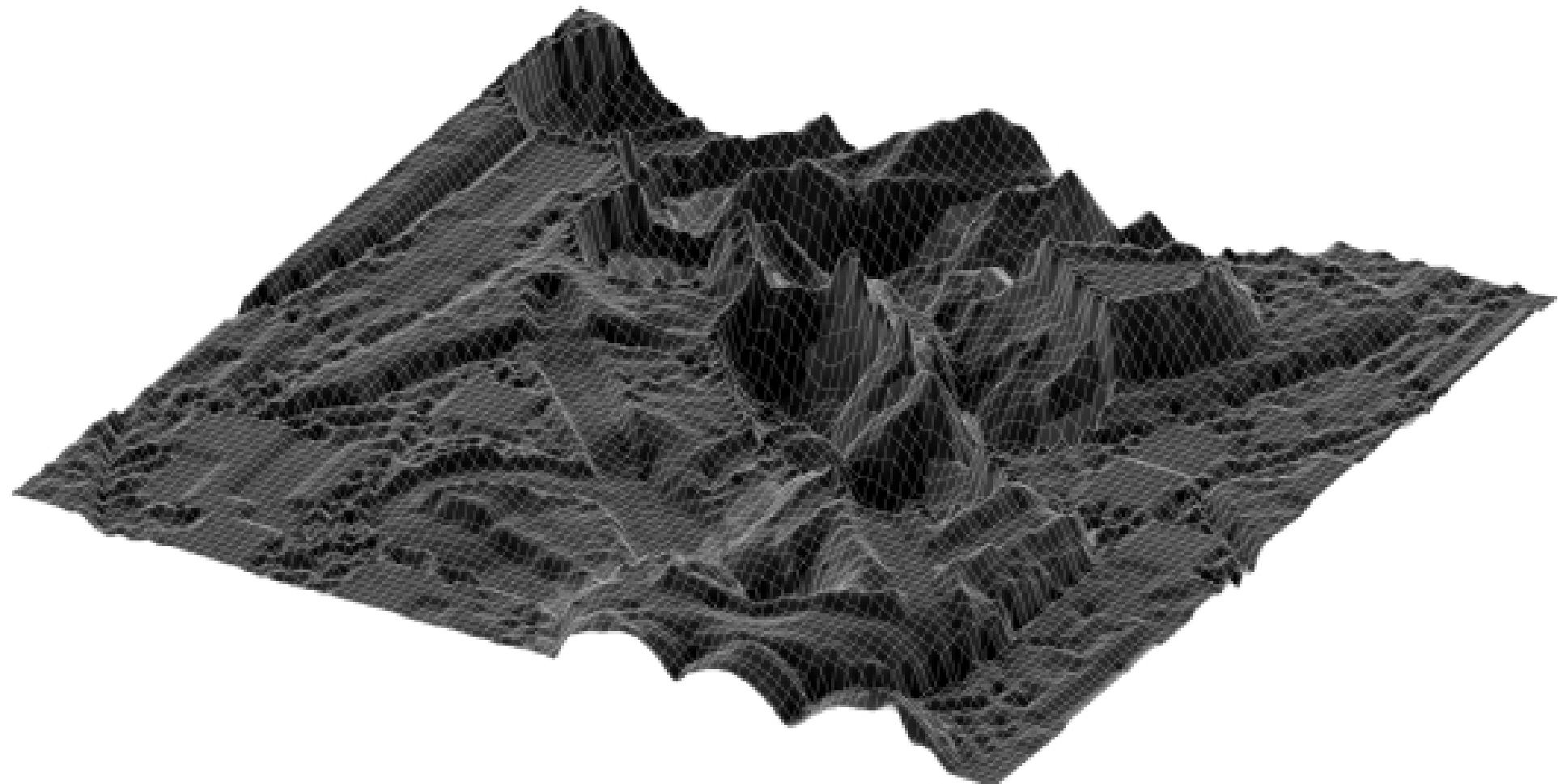


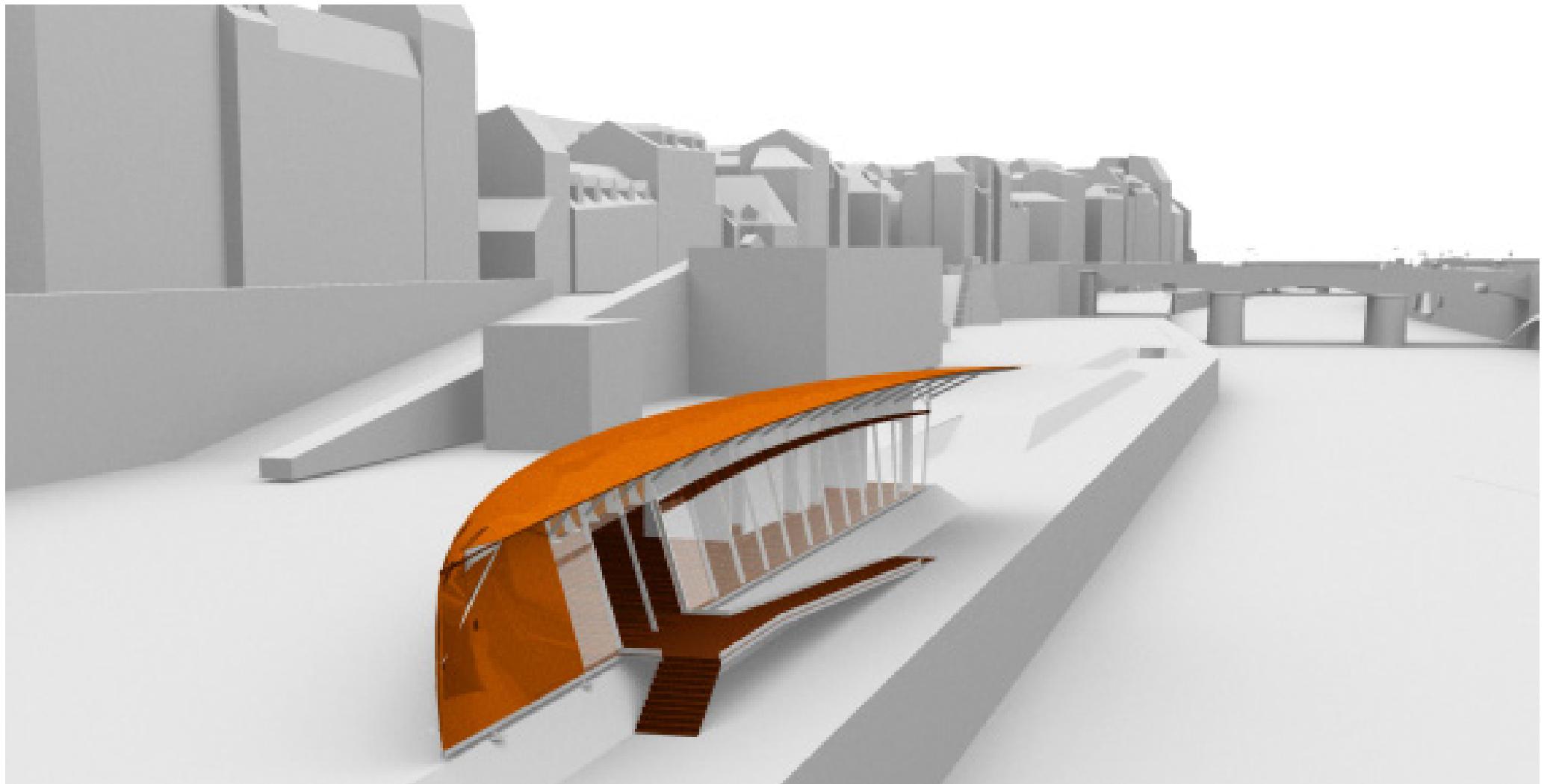
```
pointsSurfMarchel =
Table[{ptsMarchesIntOK1[[i, j]], ptsMarchesExtOK1[[i, j]], ptsMarchesExtOK1[[i, j + 1]], ptsMarchesIntOK1[[i, j + 1]], ptsMarchesIntOK1[[i, j]]},
{i, 1, Length[ptsMarchesIntOK1]}, {j, 1, Length[ptsMarchesExtOK1[1]]}];

surfmarchoK1 = Delete[Map[Polygon, pointsSurfMarchel, {2}], -1];
```

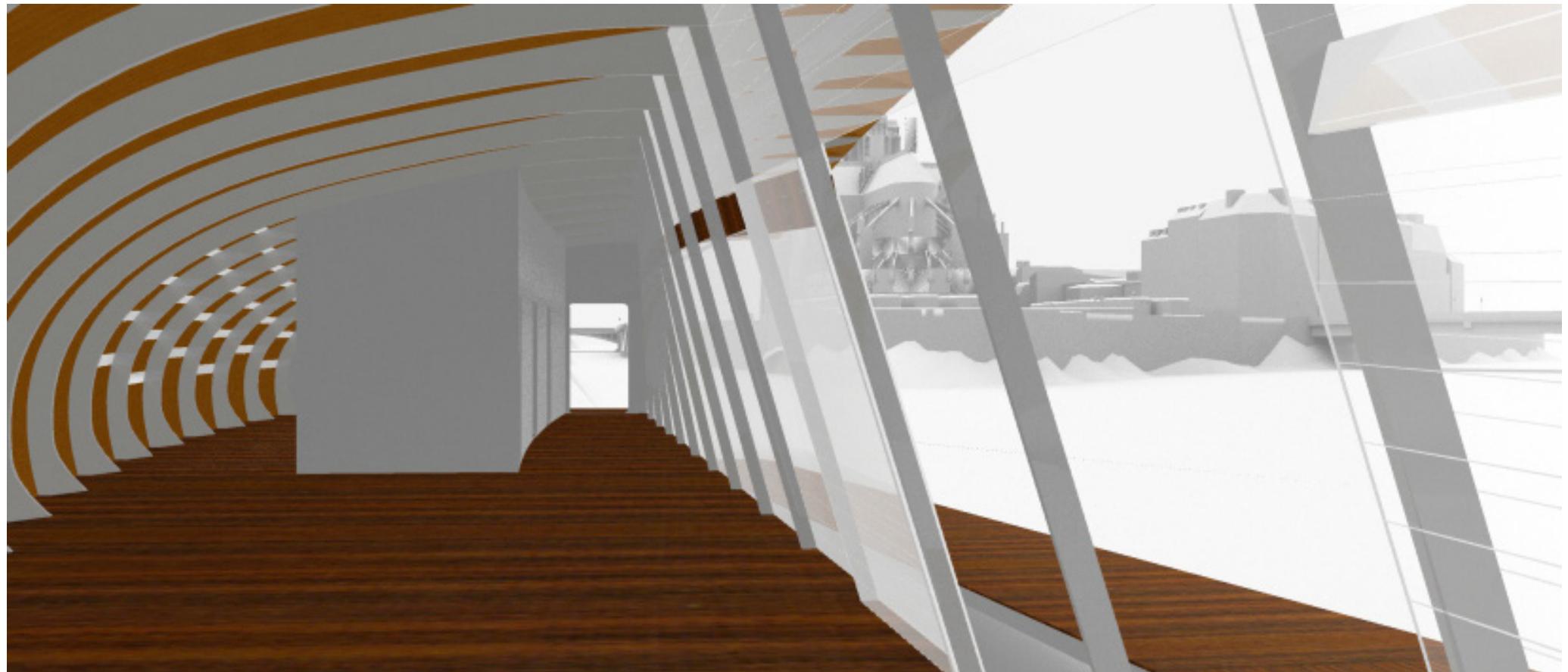


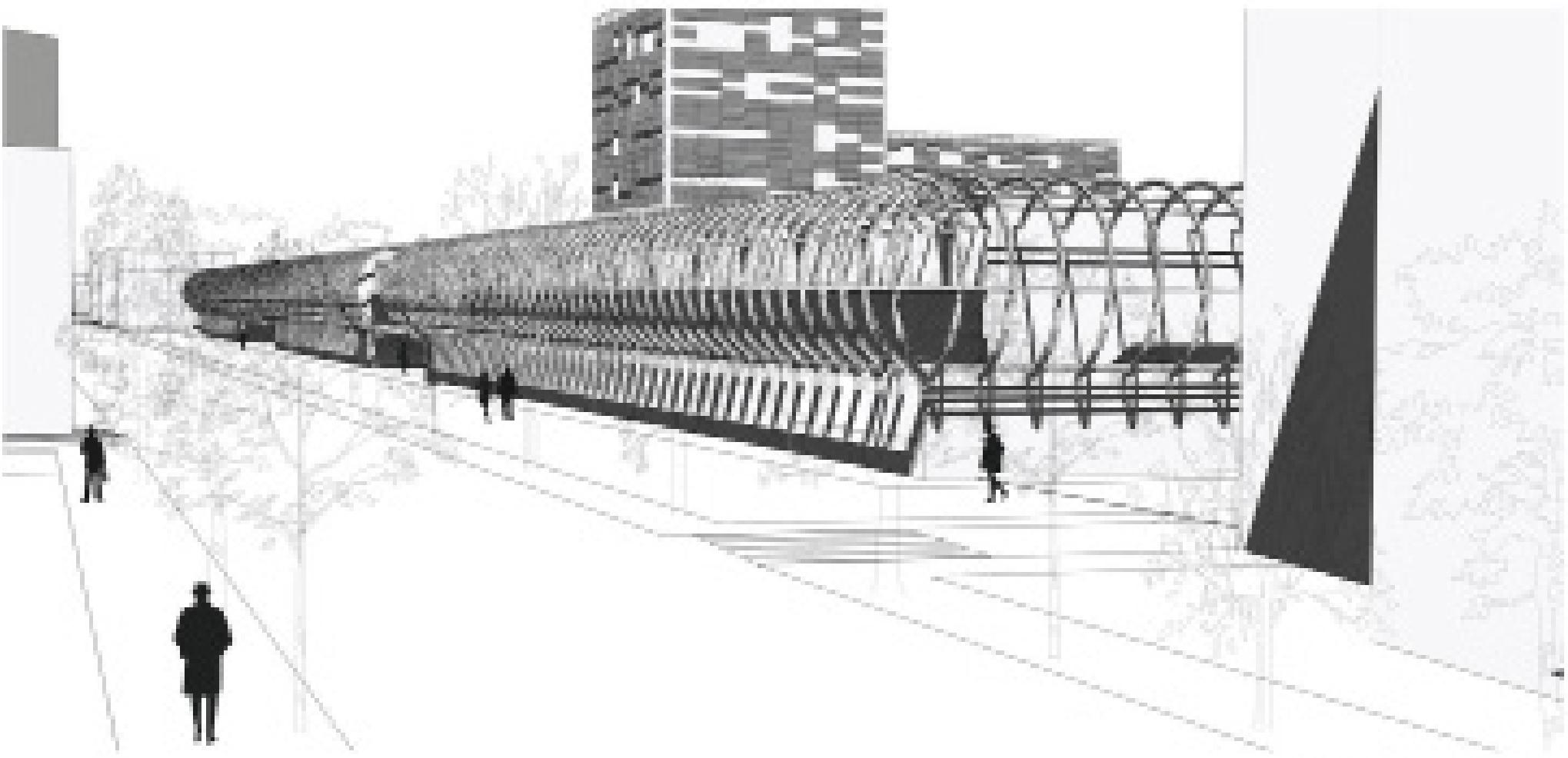
Generative Landscapes
Shape and color detection for procedural generation
[Academic]



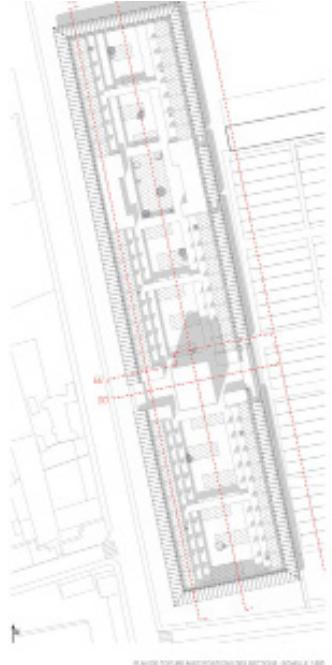


Structural Station Cover
Boat station parametric design
[Academic]





3D Print Mechanical Properties
Strength testing of 3D printing materials and optimal settings
[Academic]



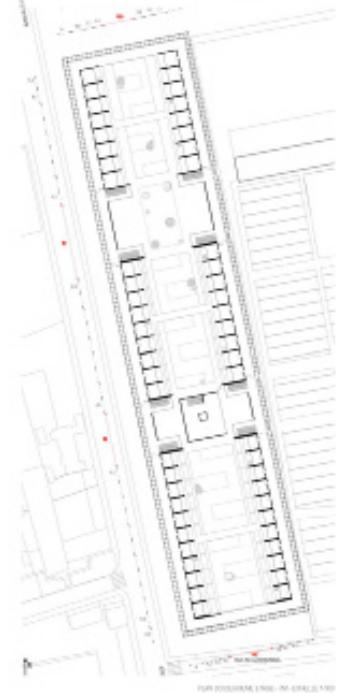
PLAISIR D'ESPACEMENT DES BLOCAGES - BOULEVARD



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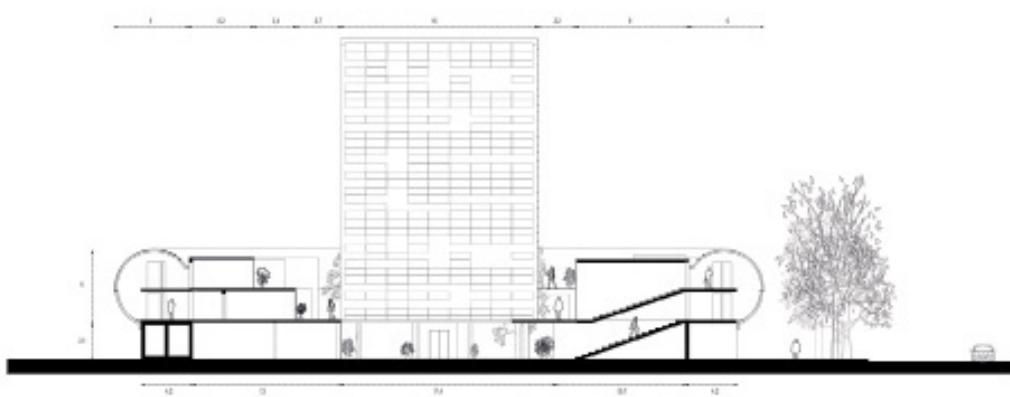
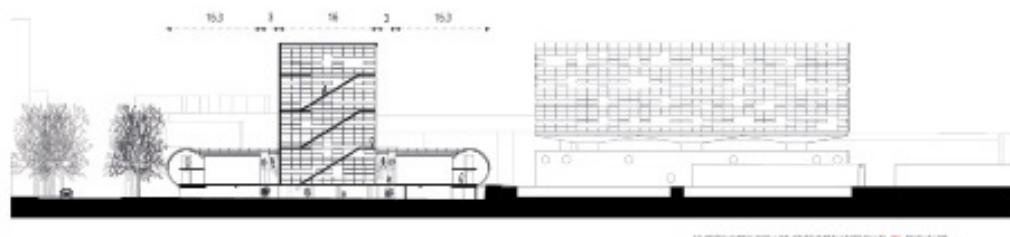
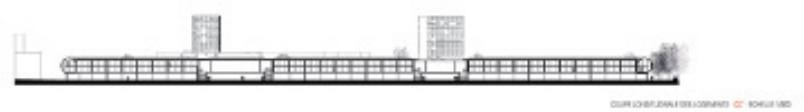
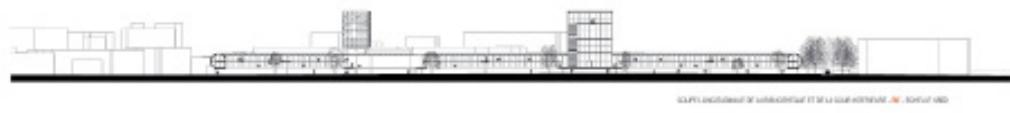
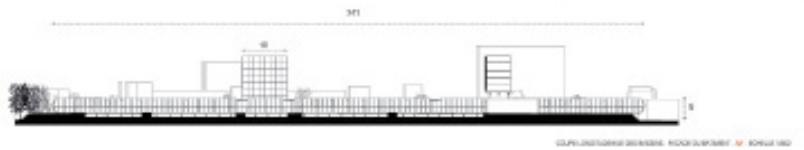
PLAISIR D'ESPACEMENT DES BLOCAGES - BOULEVARD

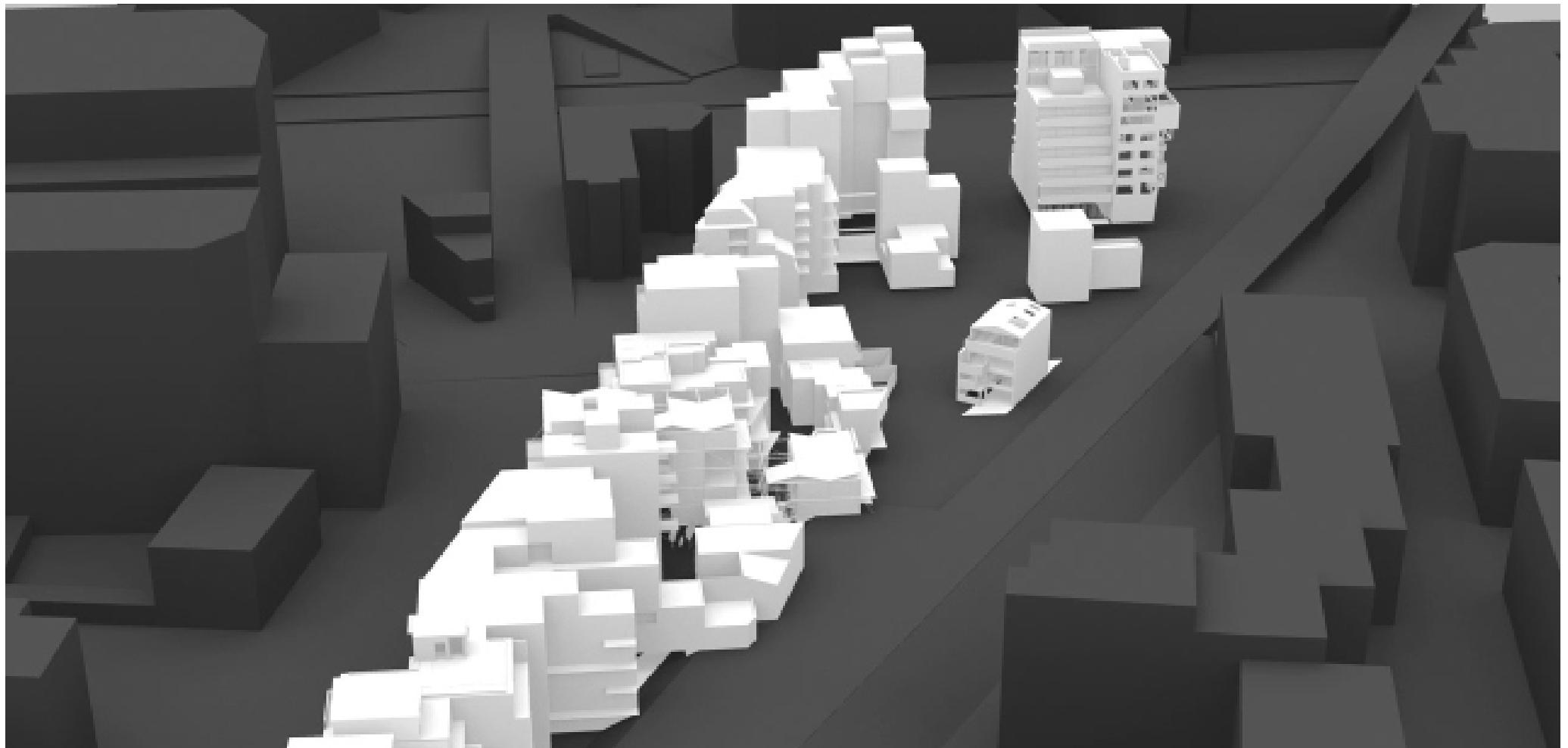


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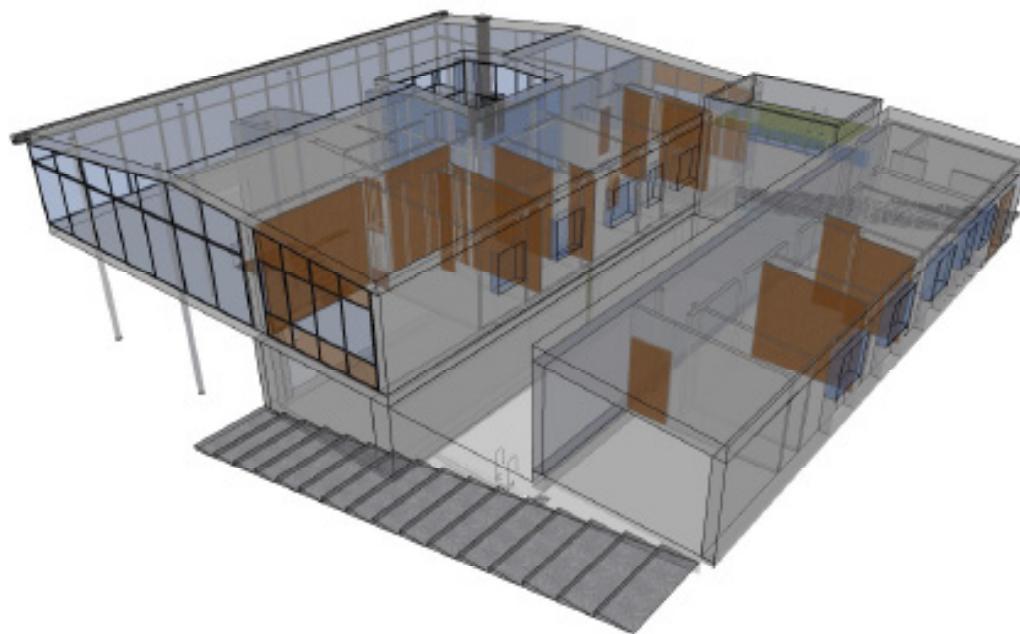
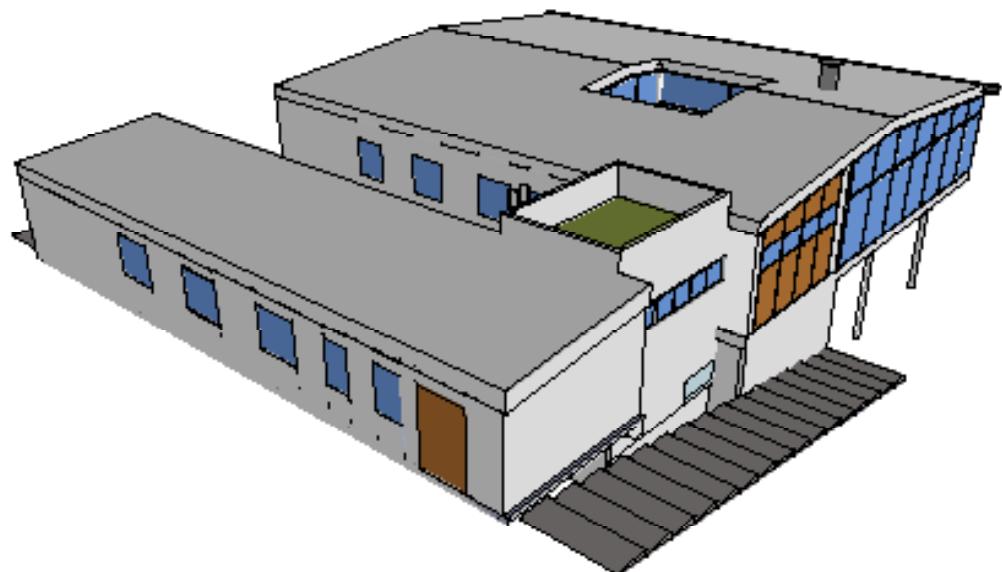
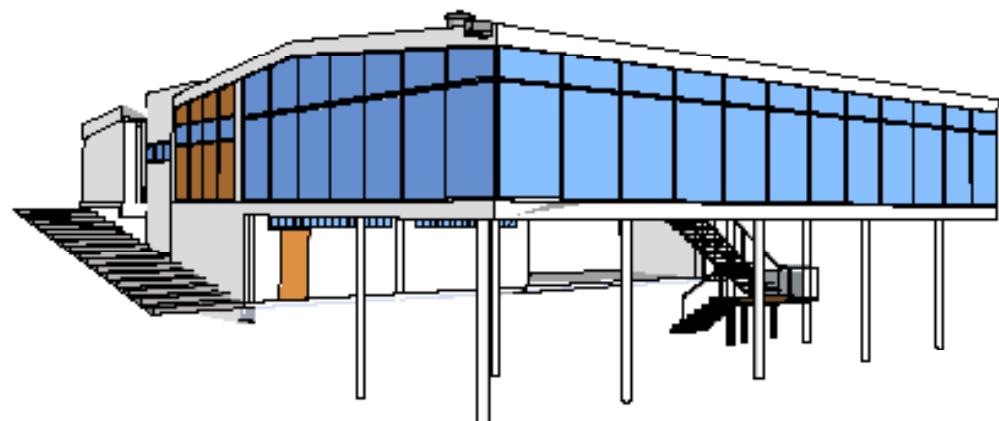


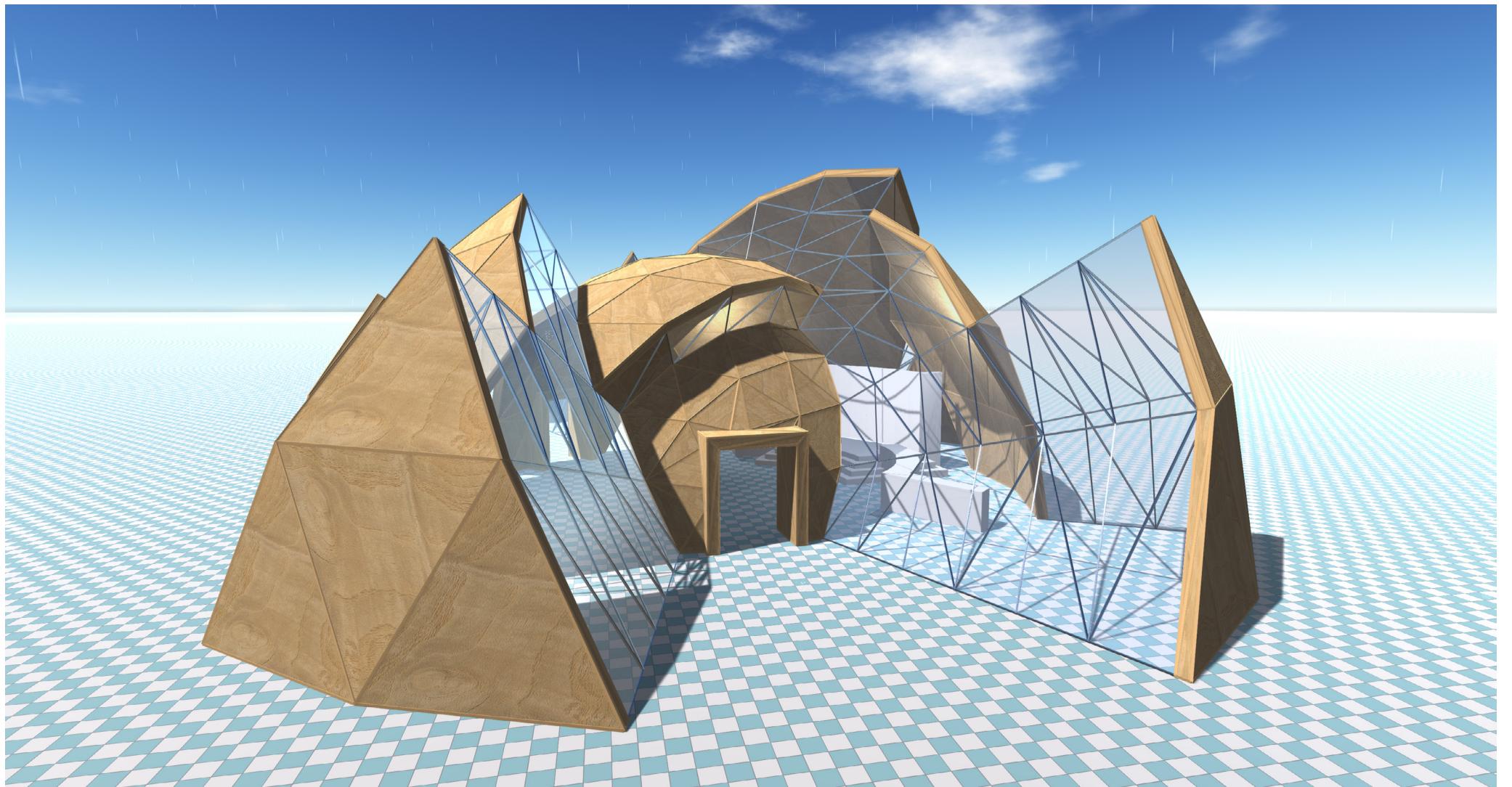
PLAISIR D'ESPACEMENT DES BLOCAGES - CLOISONNEMENT





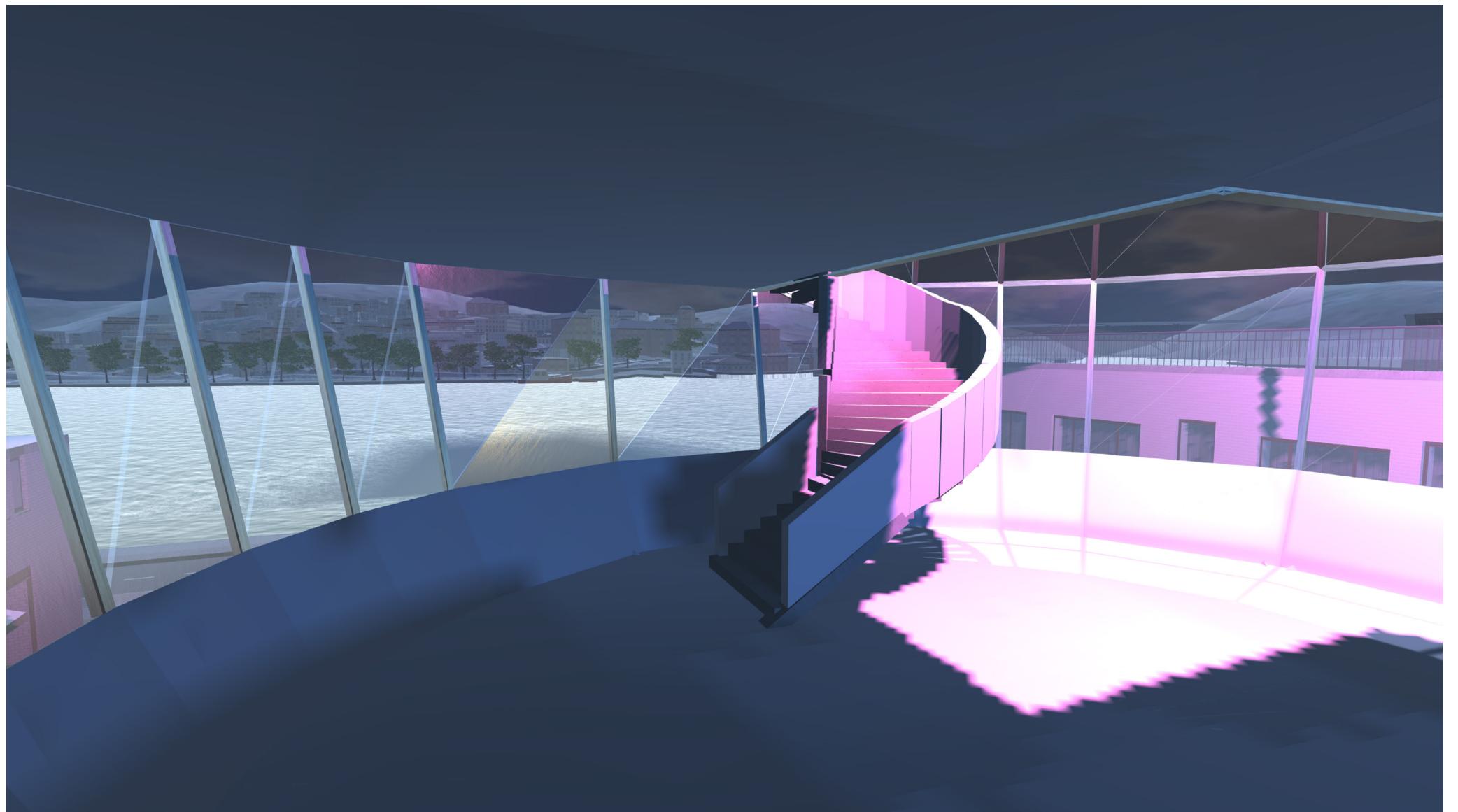
Urban and Housing
Program redefinition for Paris 19th district and housing analysis
[Academic]

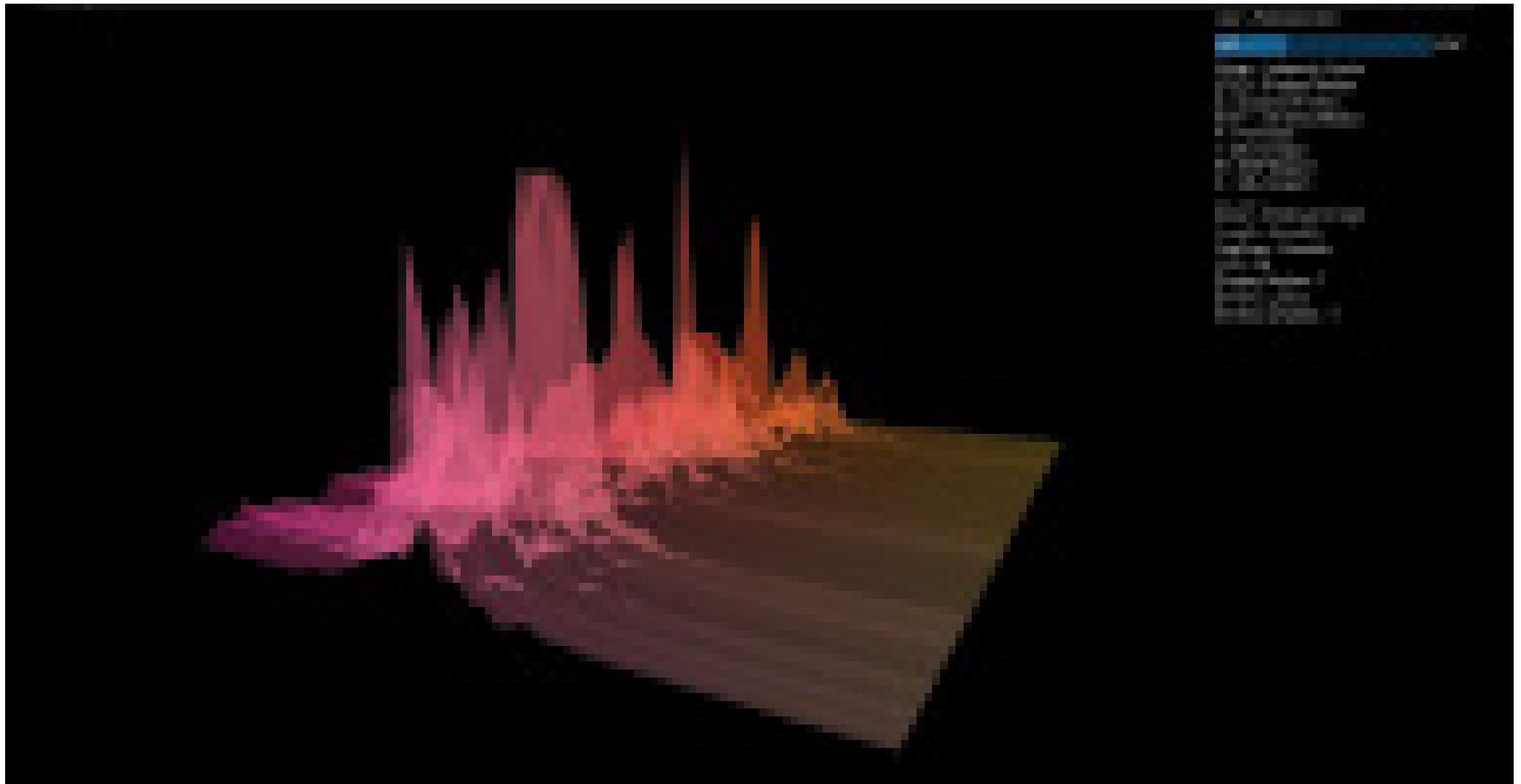




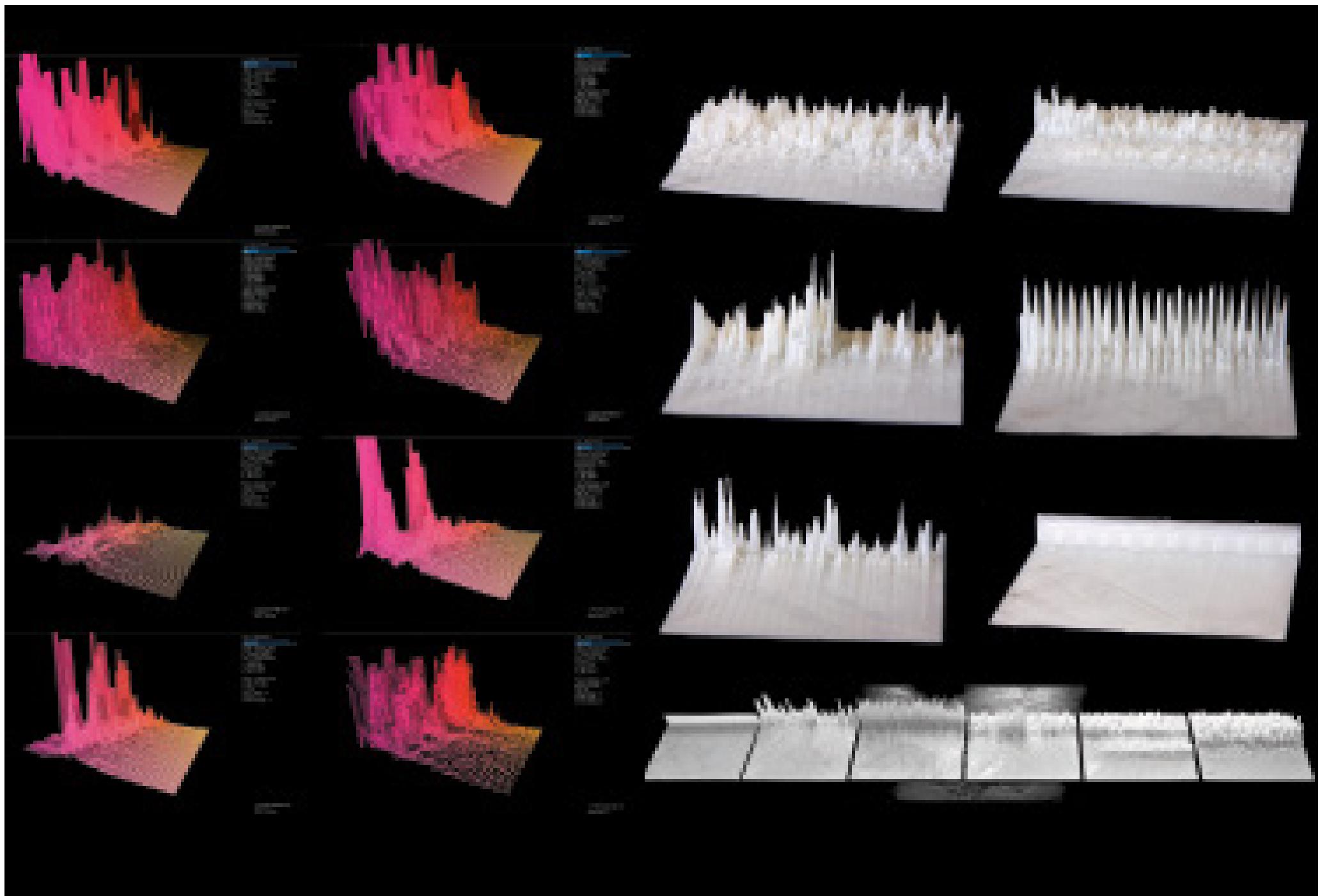
Virtual Reality Architectural Conception Software

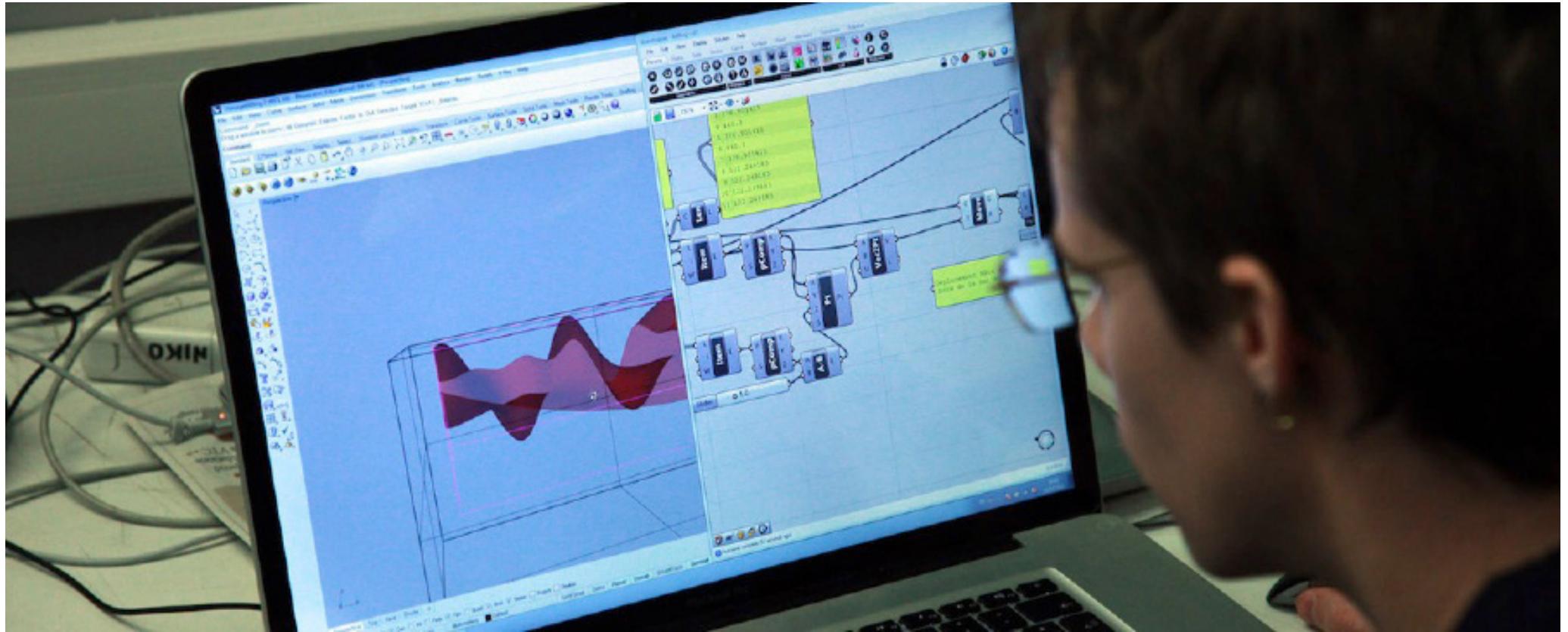
Real-time immersive simulation, environment acquisition, interoperability and multi-user collaboration
[Academic]





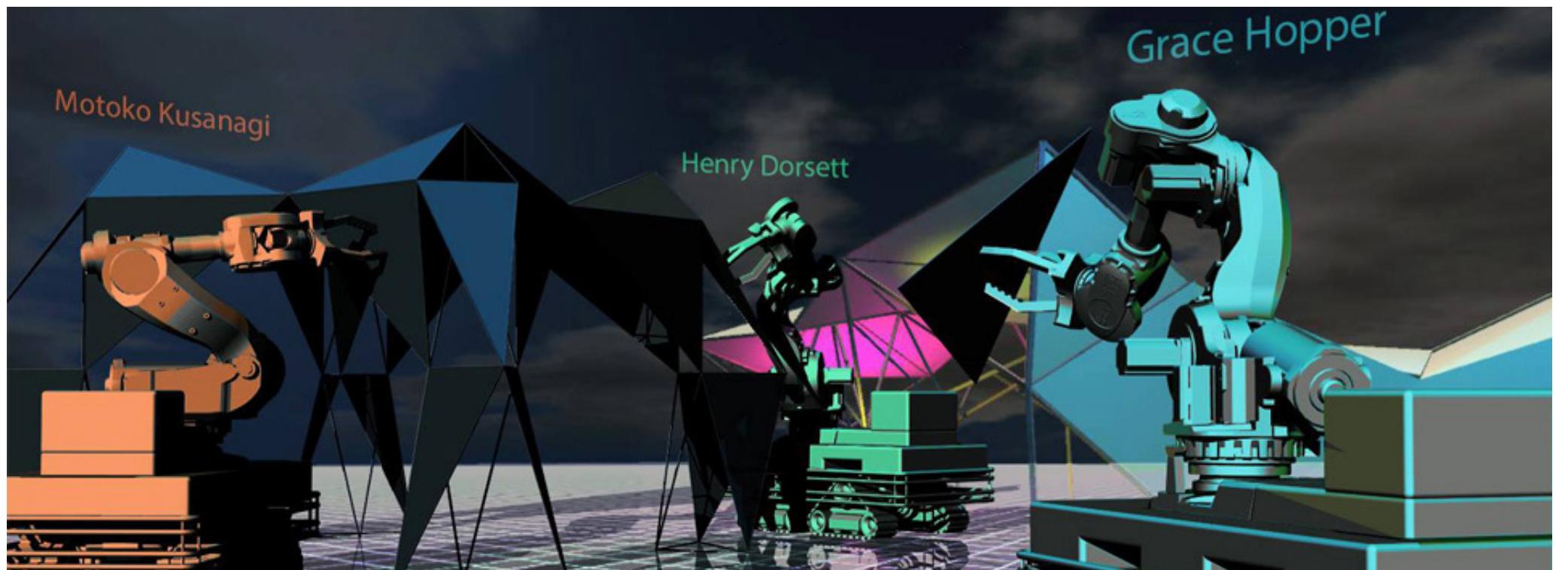
Sound Spectrum Materiality
Sound analysis and extracting for 3D printing prototyping
[Academic]





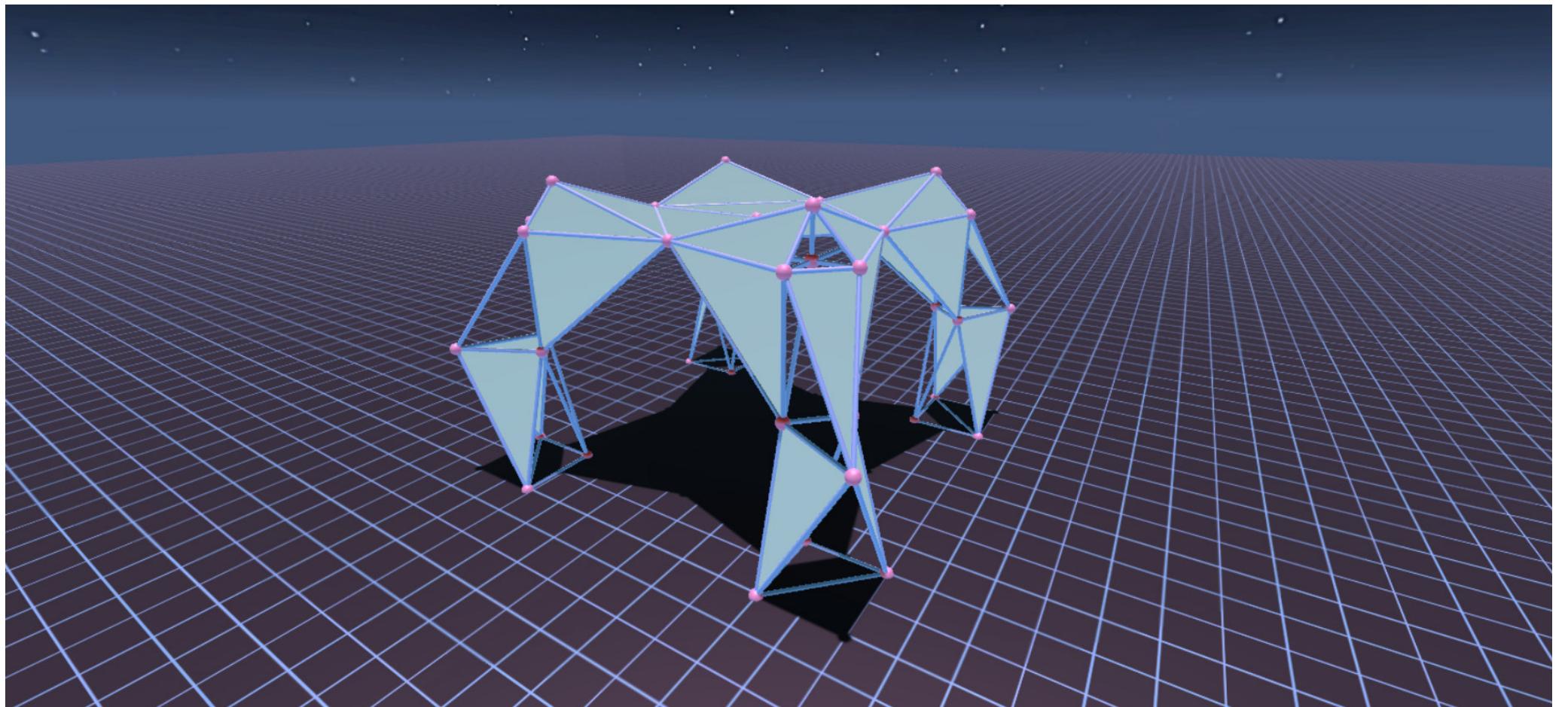
Digital Tutoring
Robotic control, prototyping, 3D modeling and programming softwares
[Teaching]



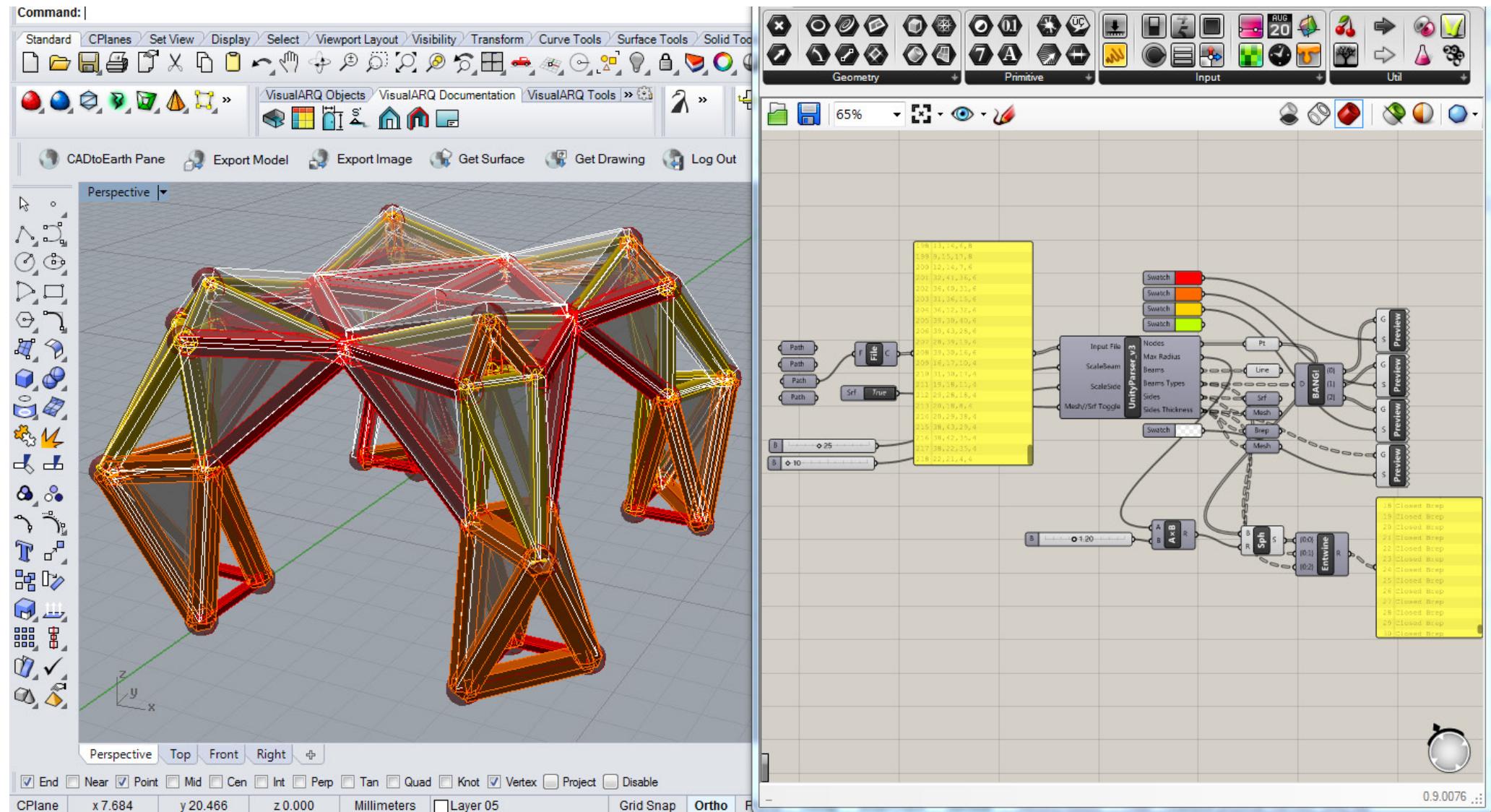


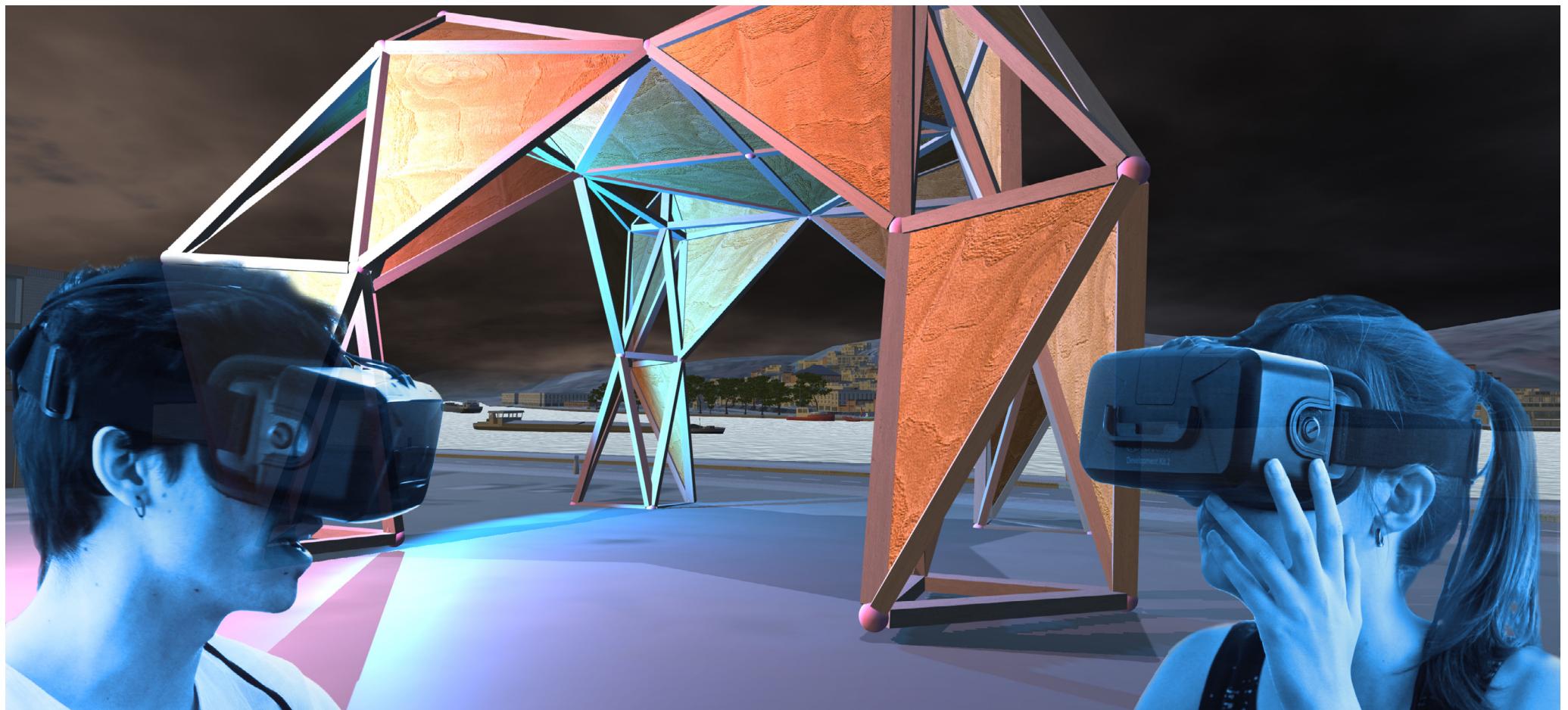
AAG 2016 Workshop
*Multi-User Cobotics Simulation in Virtual Reality applied construction
[Teaching]*





DixieVR
Immersive Multi-User Simulation for Architectural Conception
[Freelance]





DixieVR
Immersive Multi-User Simulation for Architectural Conception
[Freelance]





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Digital Teaching, 3D Design, 3D Scanning, Aerial Survey, 3D Printing, and Rendering
[Freelance]



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