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**Mathieu VENOT**

*mathieuvenot.com*



# Mathieu VENOT

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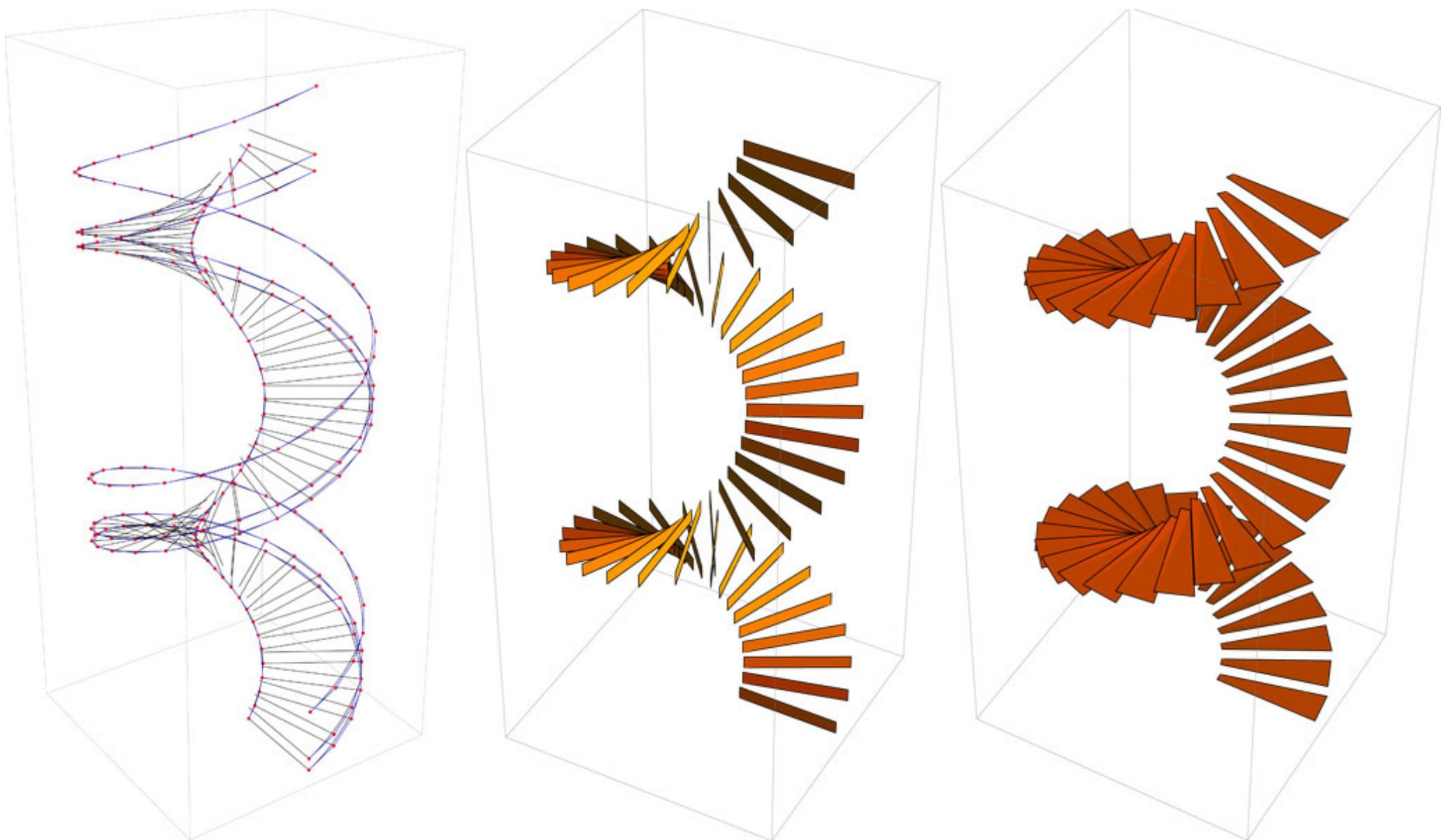
Architect, M.Arch  
Co-founder, Dixie Lab  
Born September 30, 1990

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- Academic

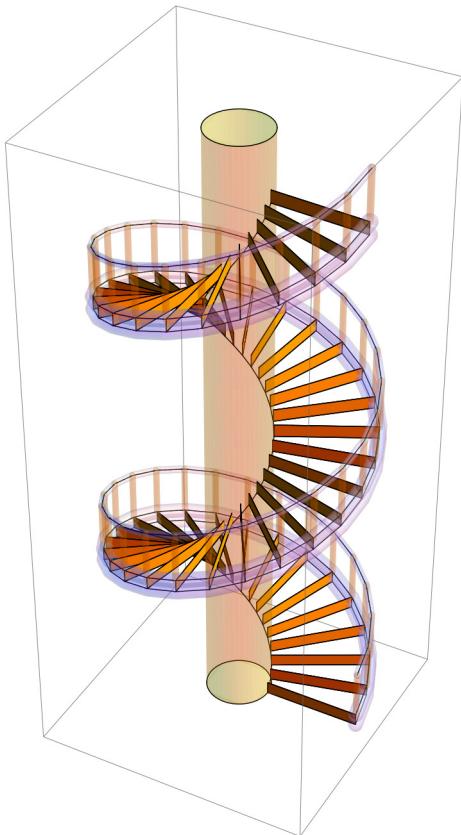
- Teaching

- Freelance

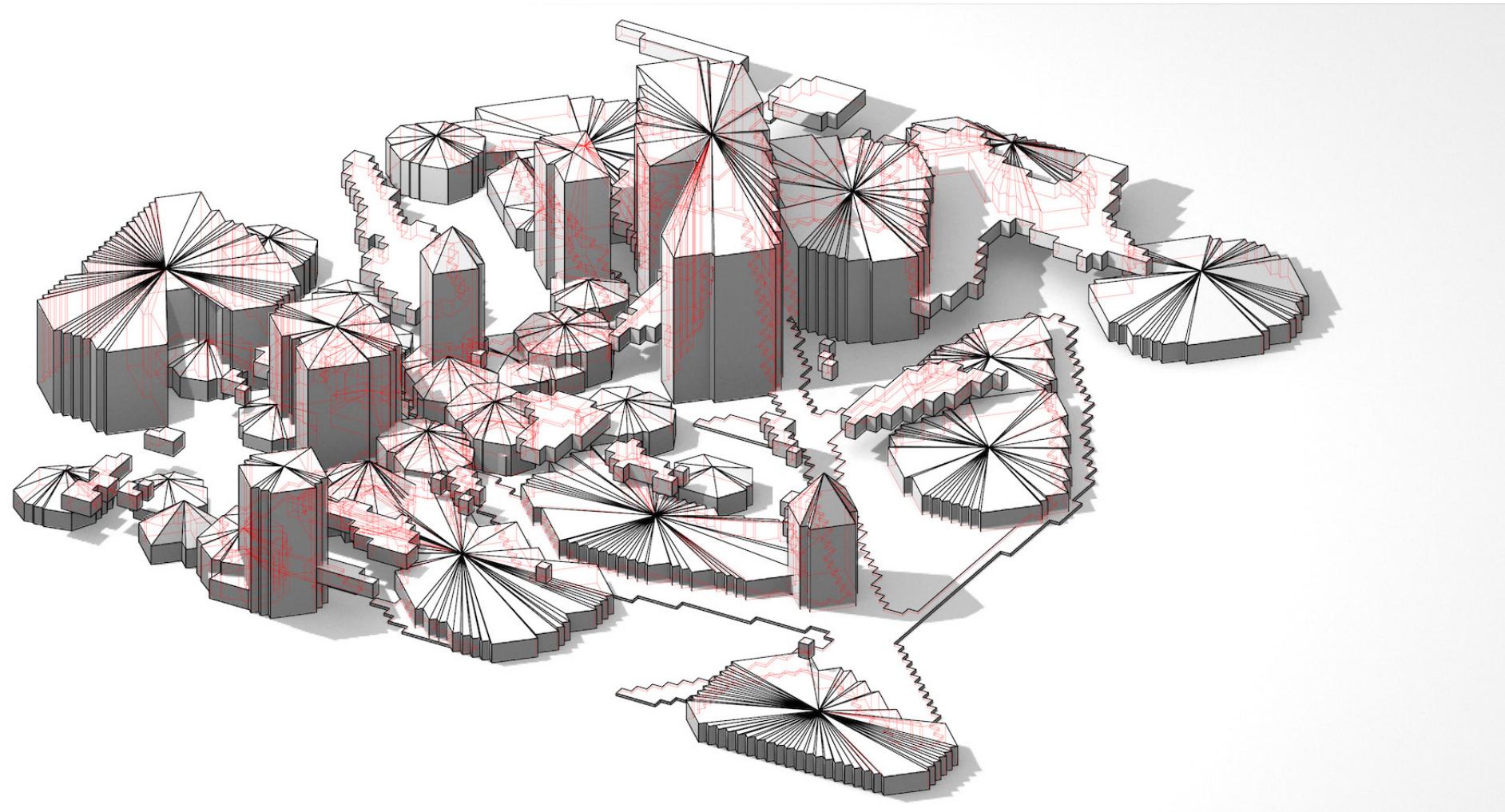


Mathematical programming  
Helicoidal stair construction by mathematical operations  
[Academic]

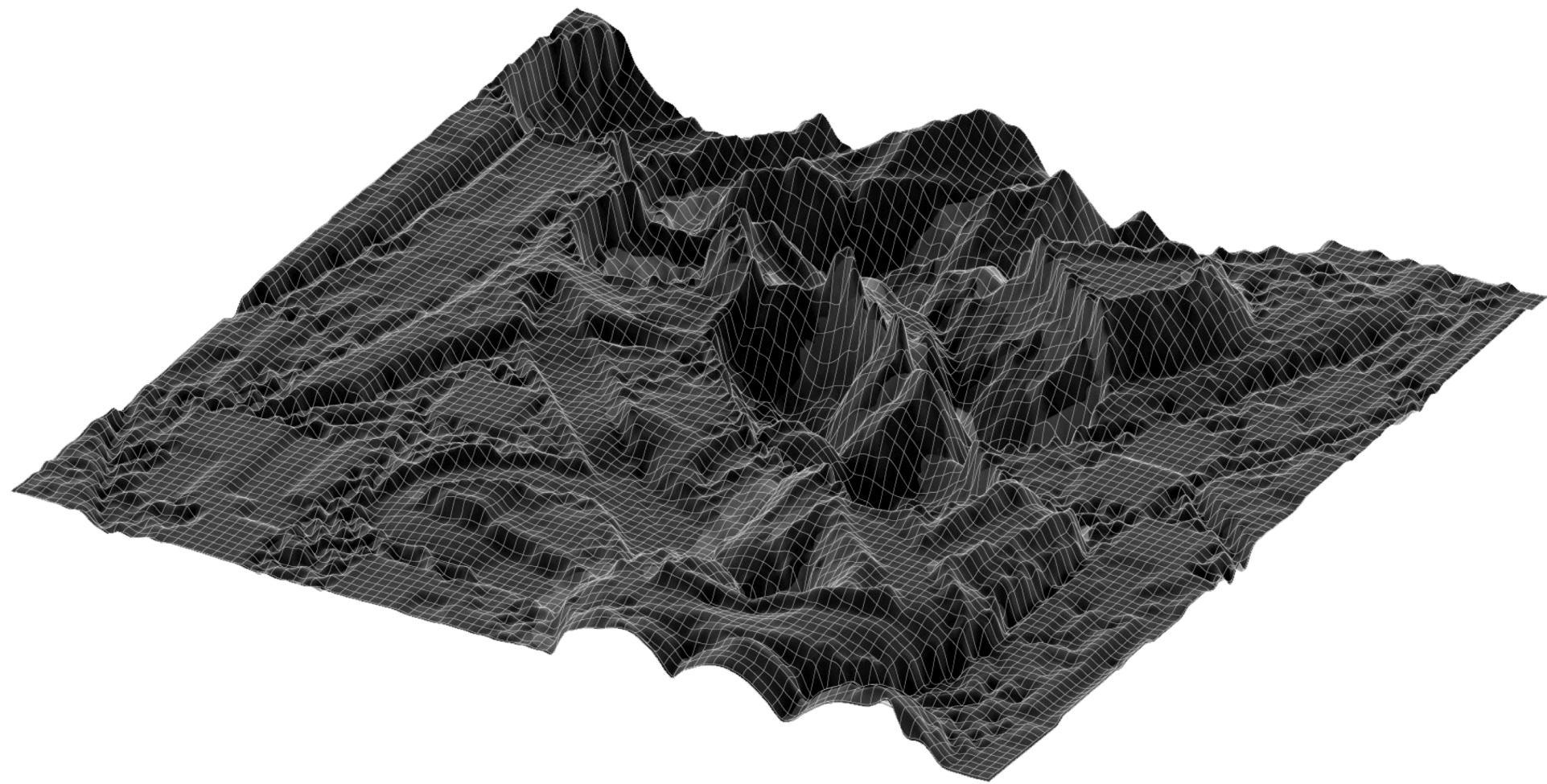
```
Show[{nonbezier1, nonbezier2, ligneh, lignehnez, tube, lignegarde,  
lignemarche, tubegarde, surfcm, tubemarche, tubeext, barriere}]
```

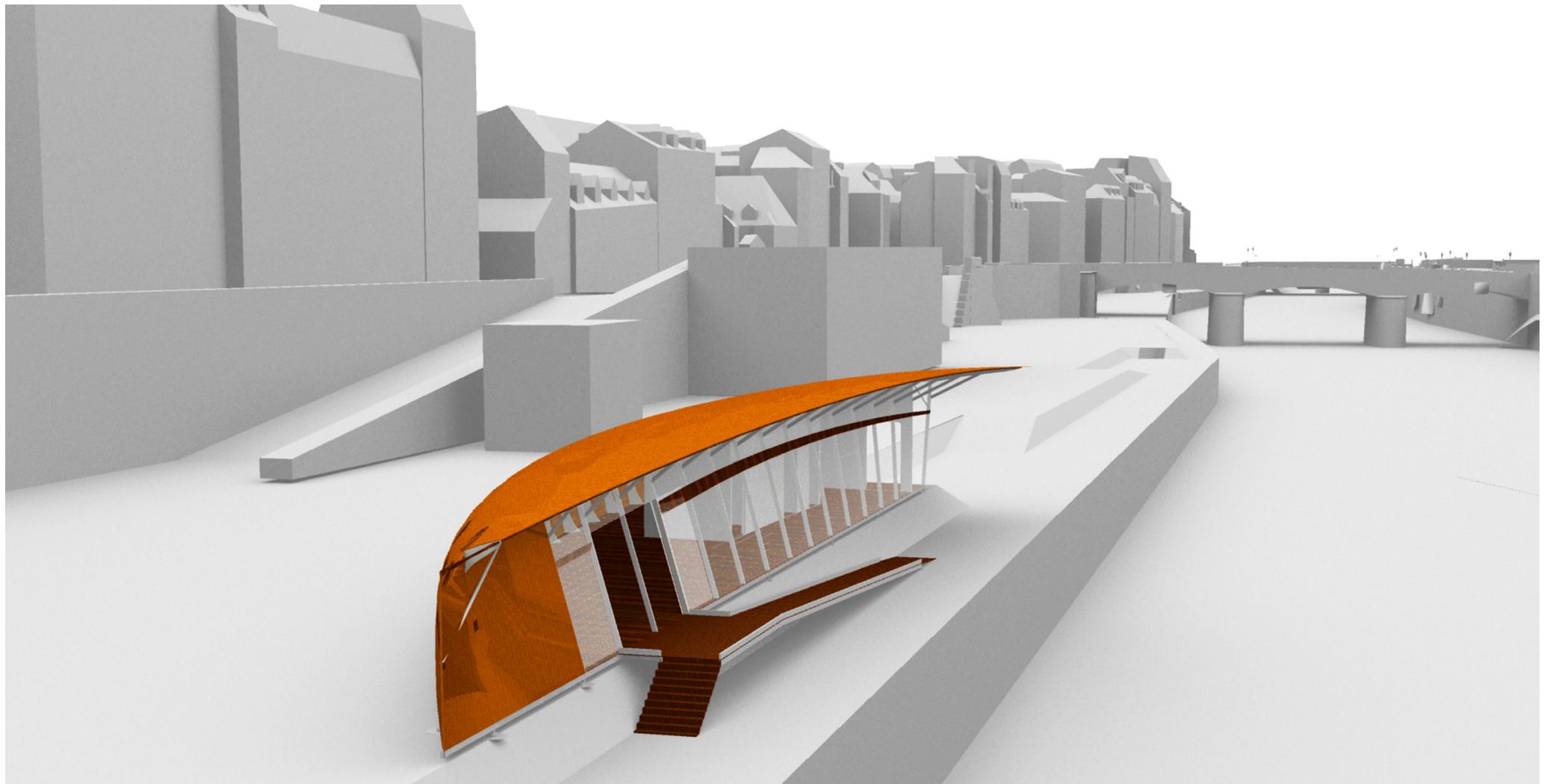


```
pointsSurfMarchel =  
Table[{ptsMarchesIntOK1[[i, j]], ptsMarchesExtOK1[[i, j]], ptsMarchesExtOK1[[  
i, j + 1]], ptsMarchesIntOK1[[i, j + 1]], ptsMarchesIntOK1[[i, j]]},  
{i, 1, Length[ptsMarchesIntOK1]}, {j, 1, Length[ptsMarchesExtOK1[1]]}];  
  
surfmarcheOk1 = Delete[Map[Polygon, pointsSurfMarchel, {2}], -1];
```

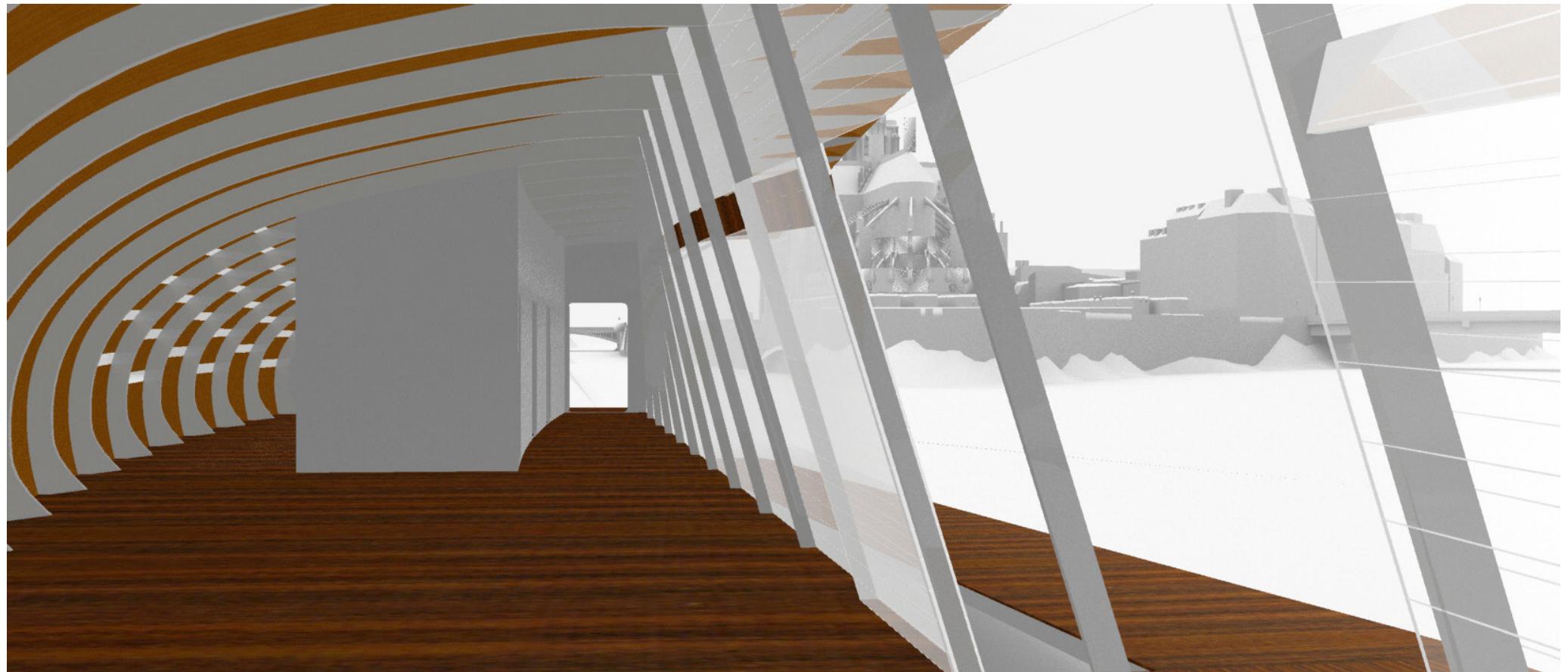


*Generative Landscapes*  
Shape and color detection for procedural generation  
[Academic]



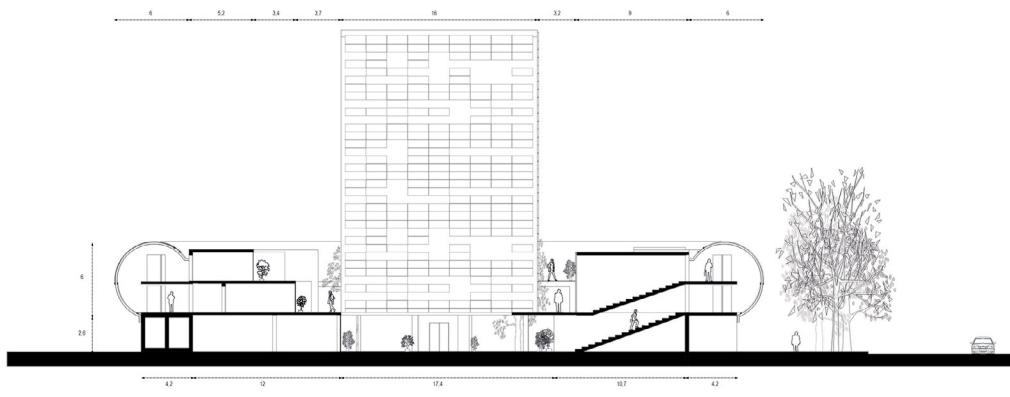
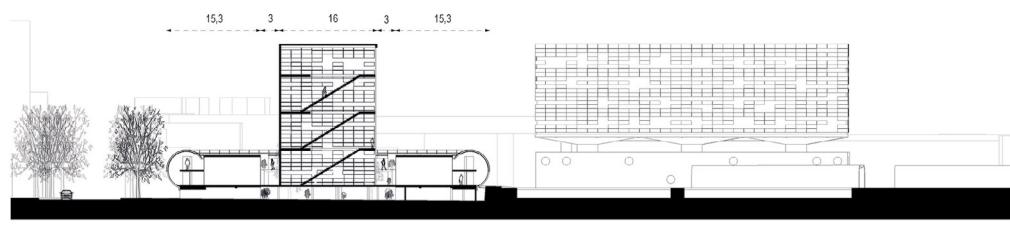
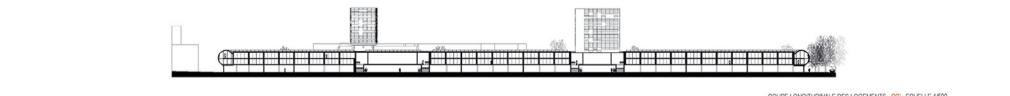
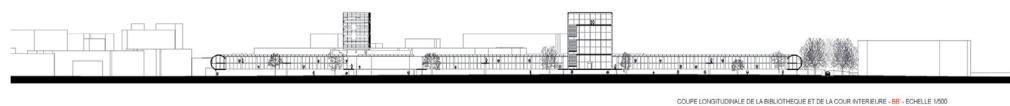
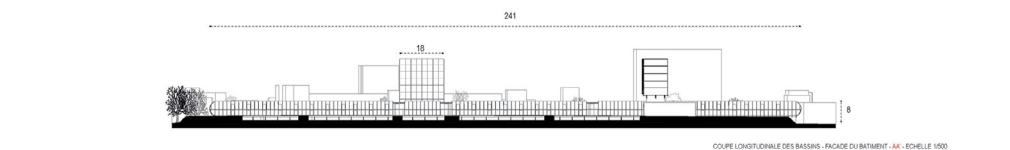
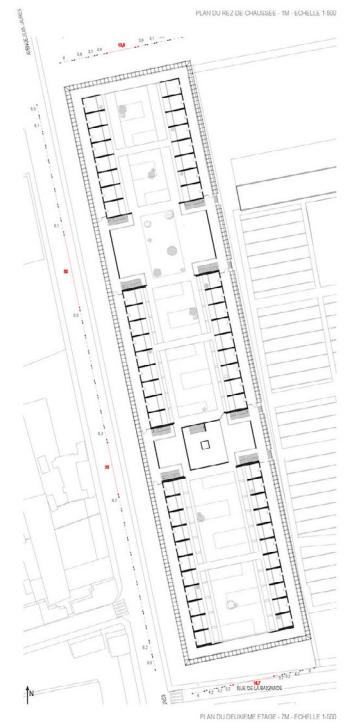


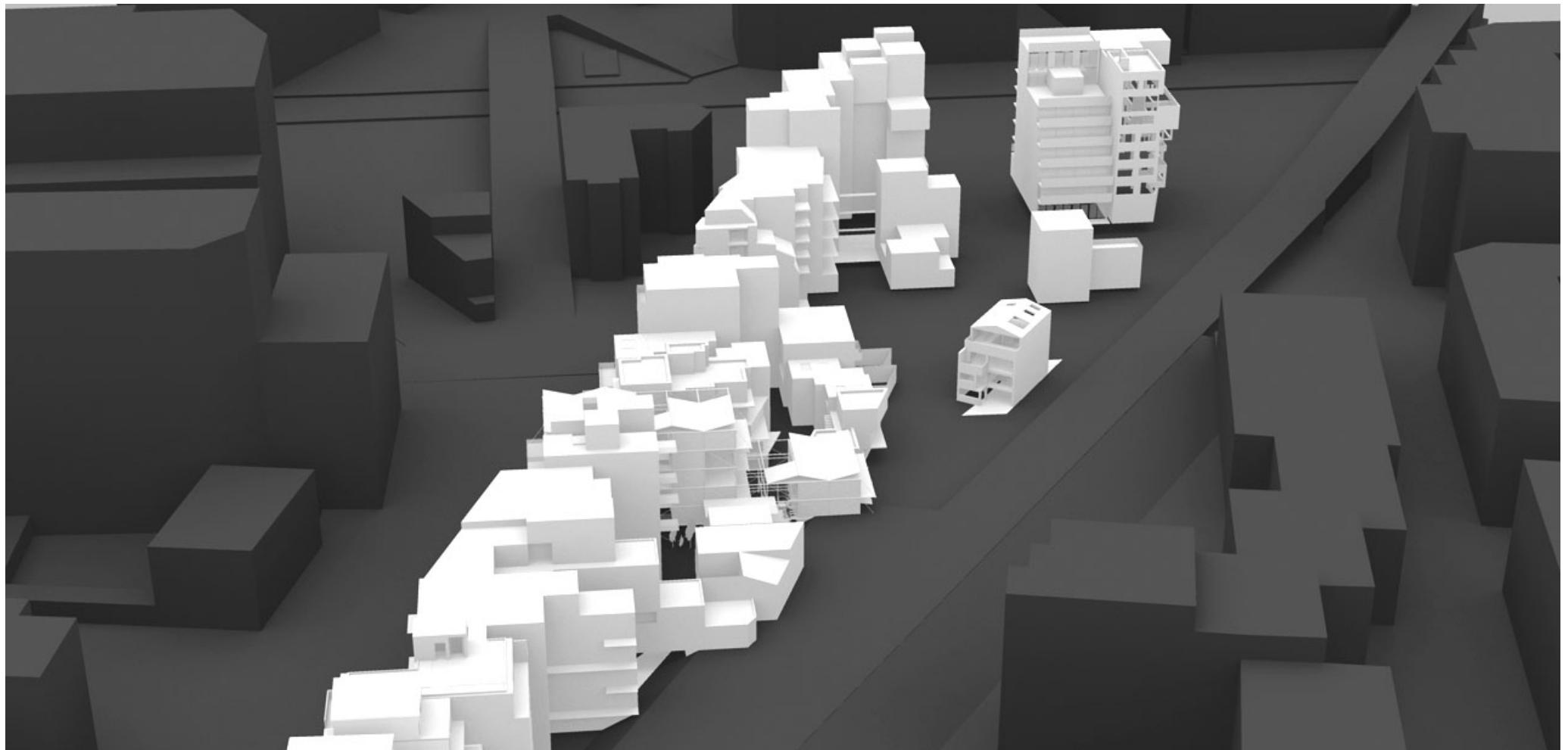
Structural Station Cover  
Boat station parametric design  
[Academic]



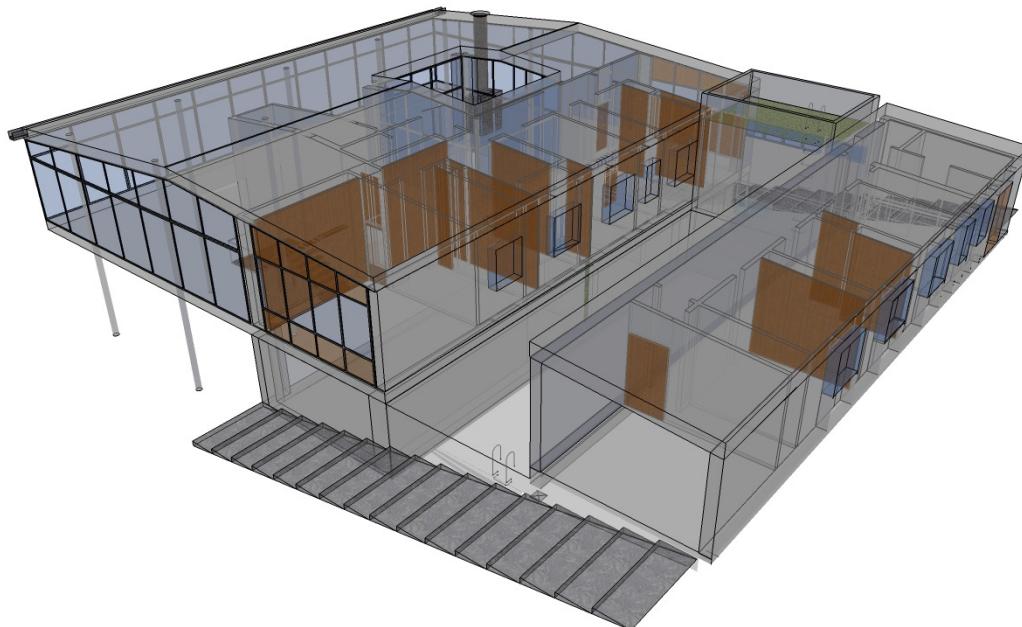
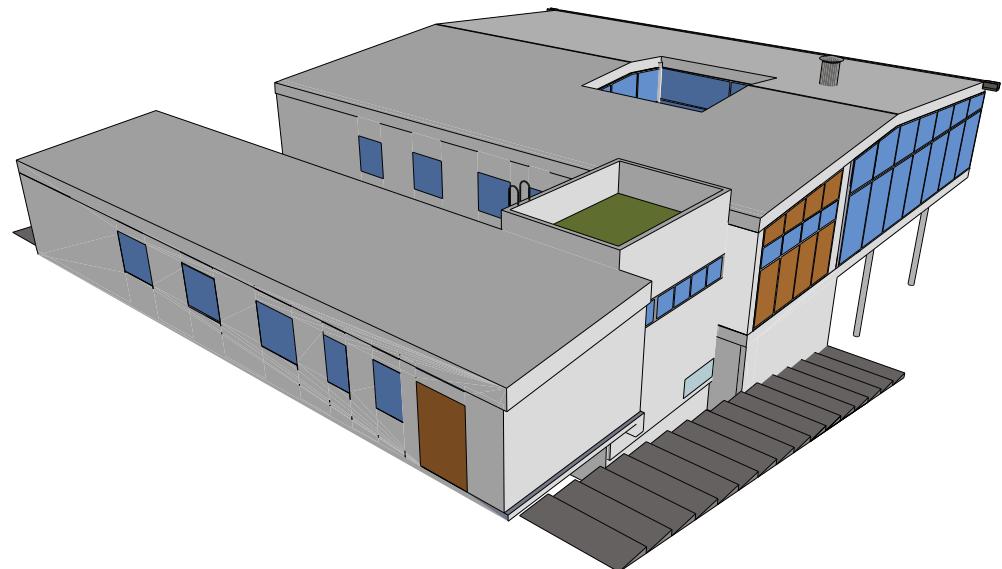
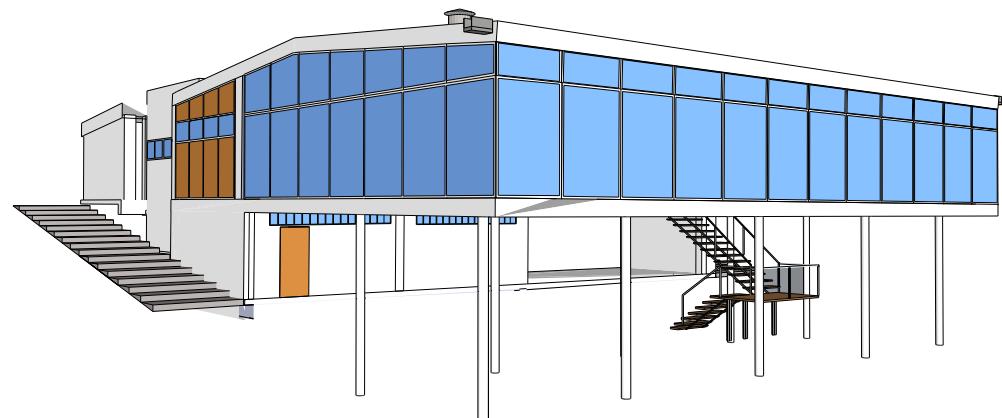


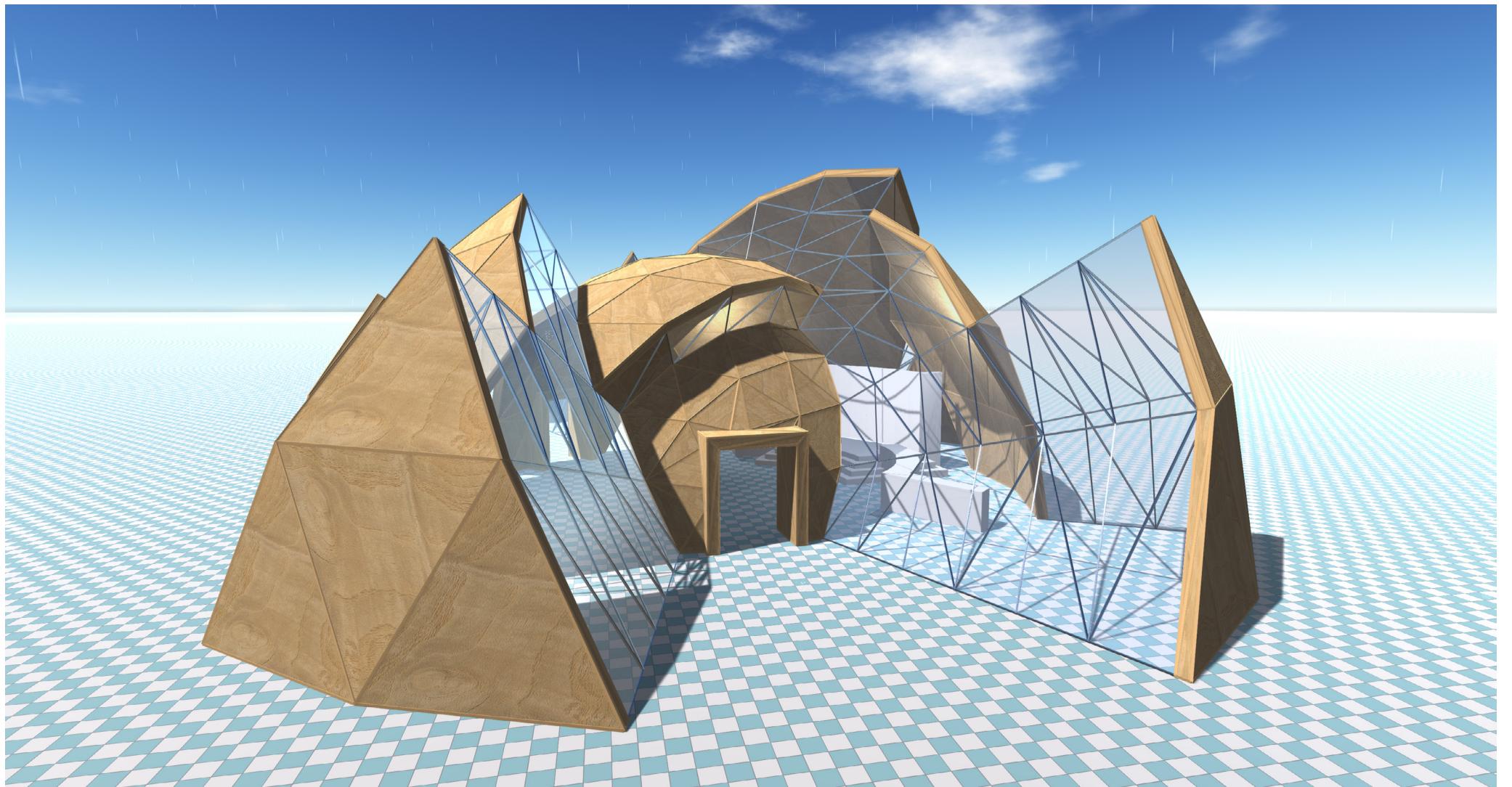
3D Print Mechanical Properties  
Strength testing of 3D printing materials and optimal settings  
[Academic]





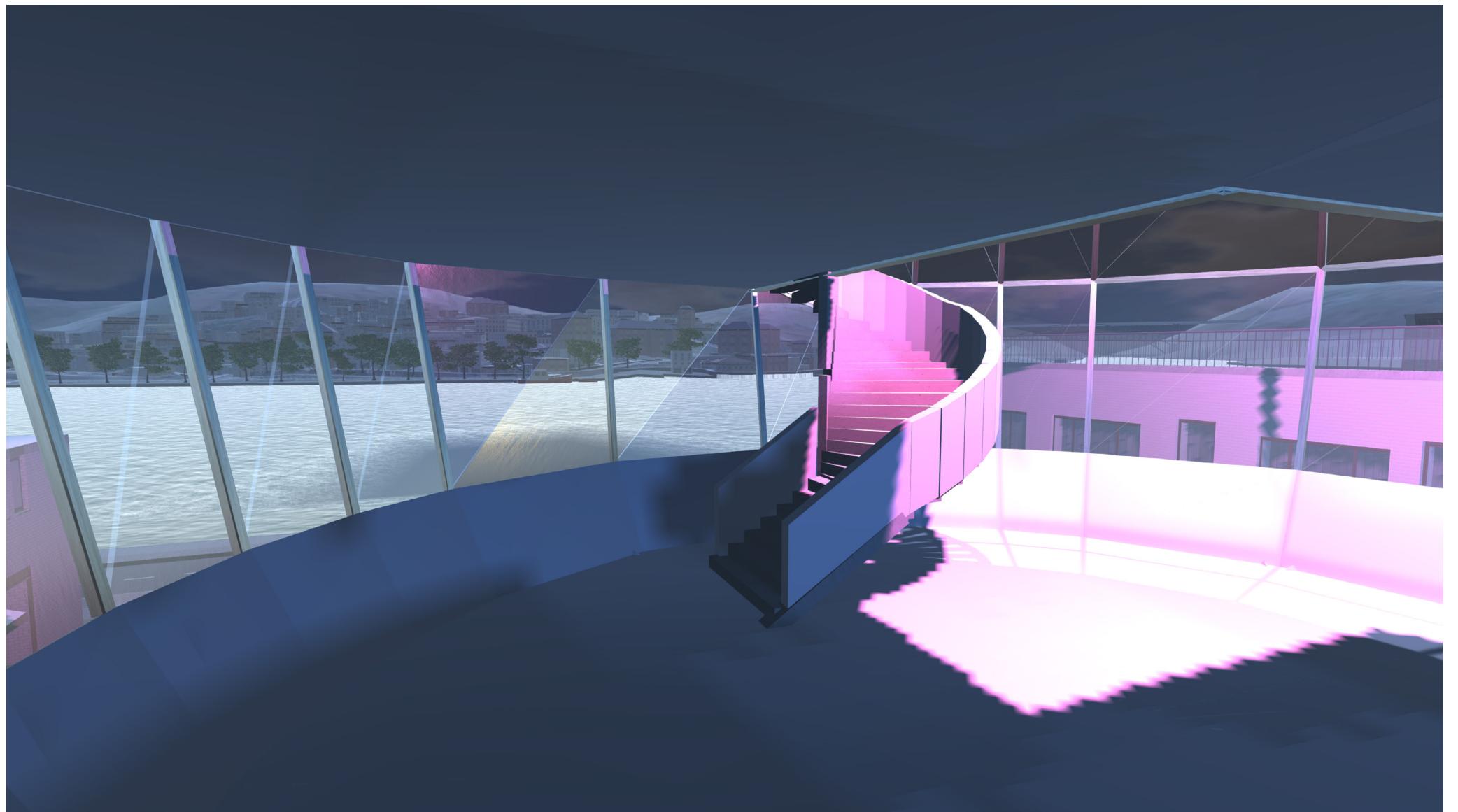
Urban and Housing  
*Program redefinition for Paris 19th district and housing analysis  
[Academic]*

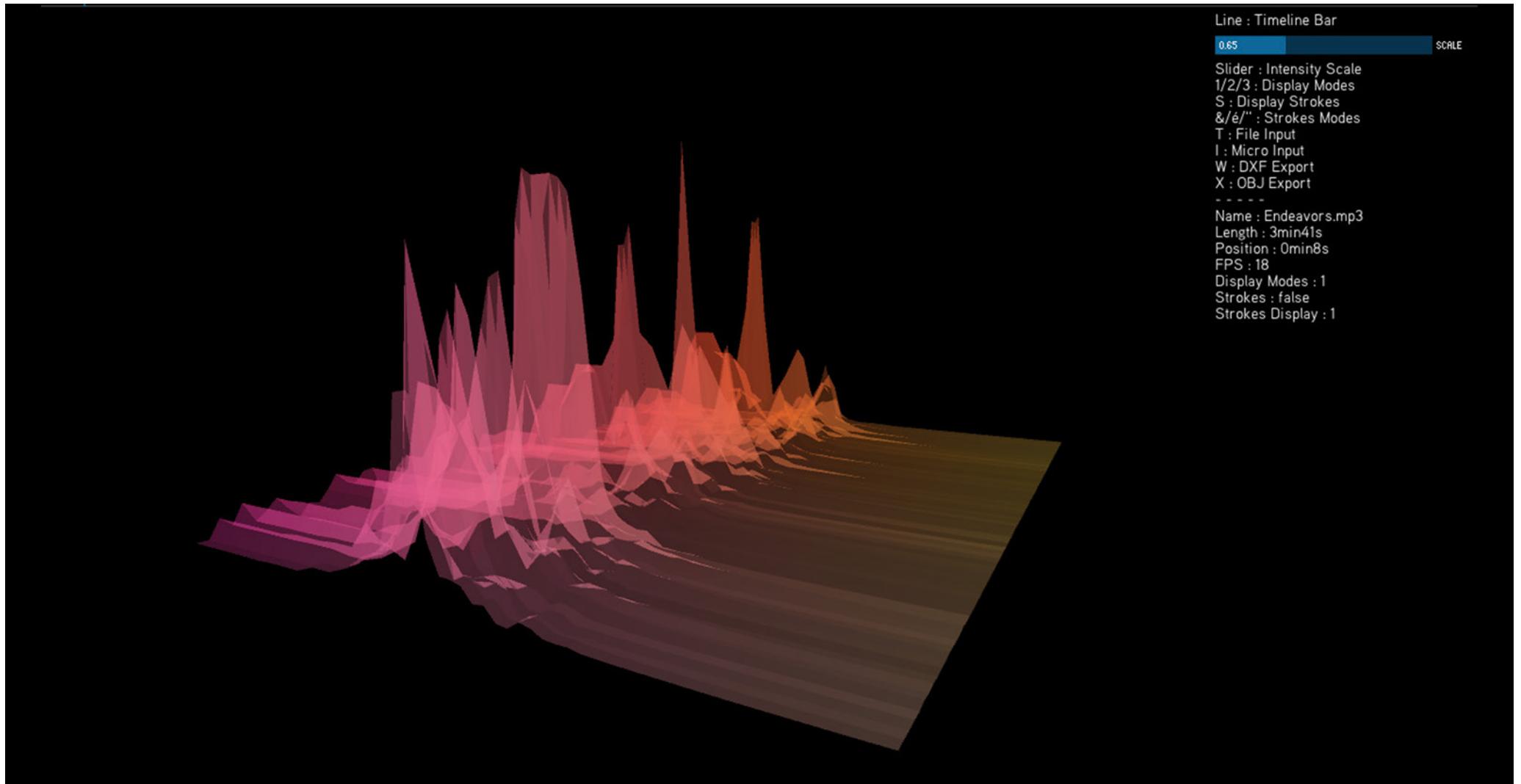




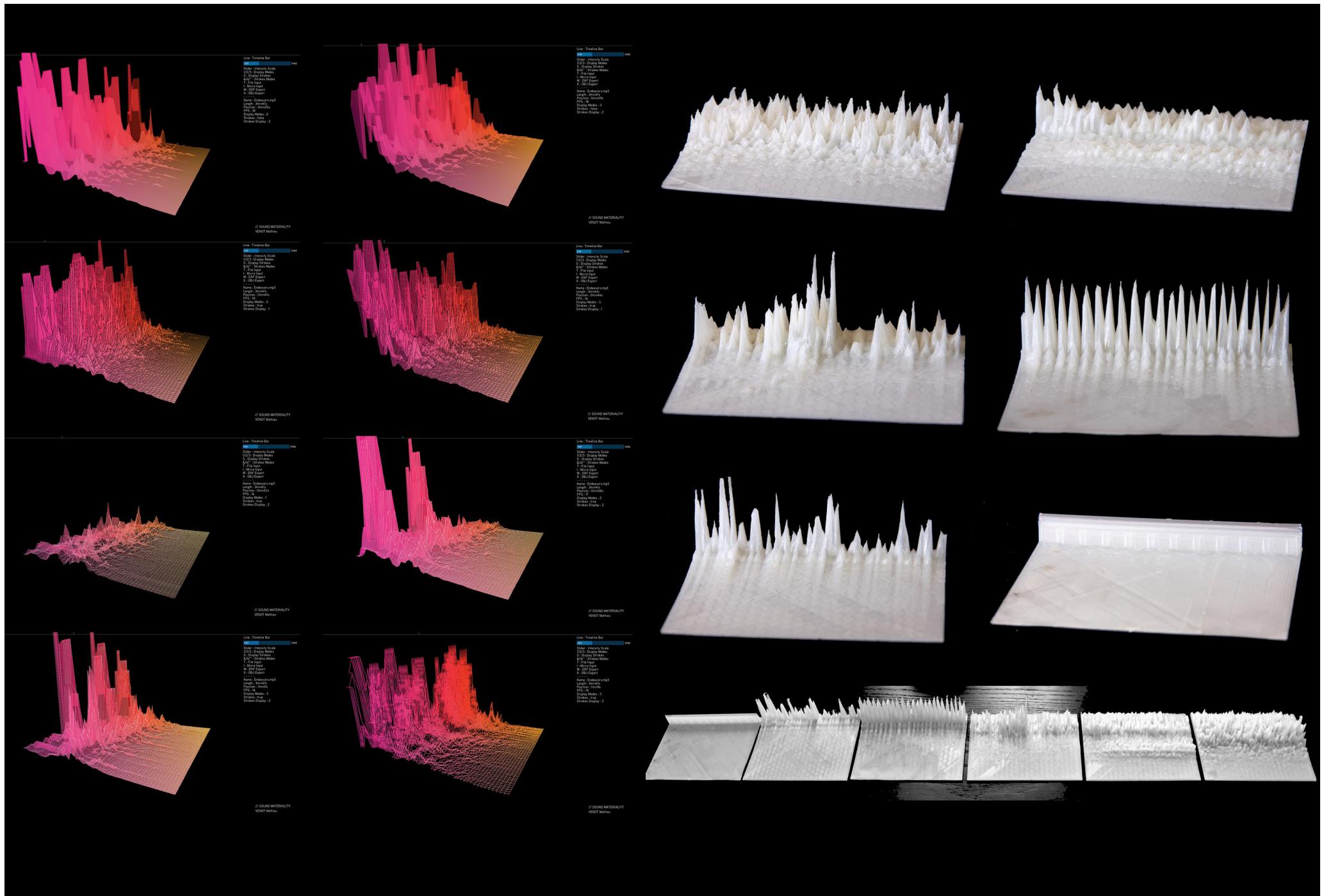
*Virtual Reality Architectural Conception Software*

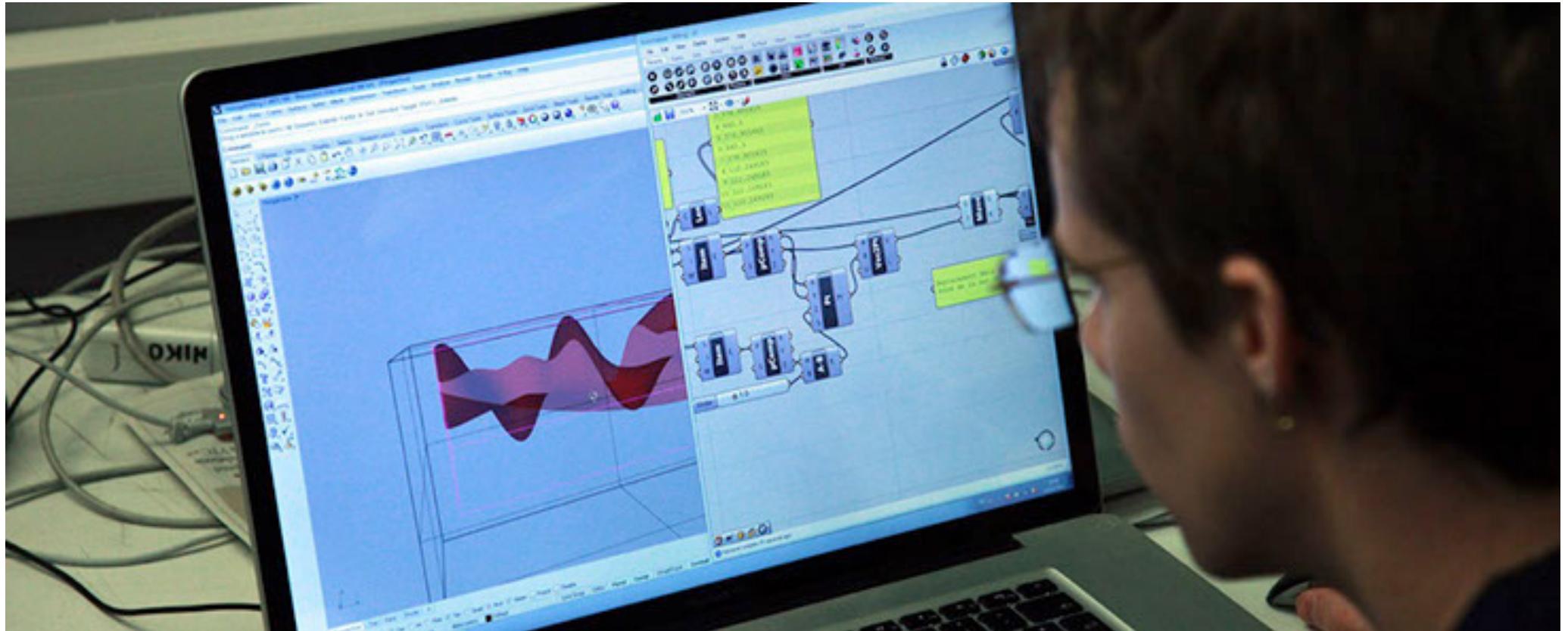
*Real-time immersive simulation, environment acquisition, interoperability and multi-user collaboration*  
*[Academic]*





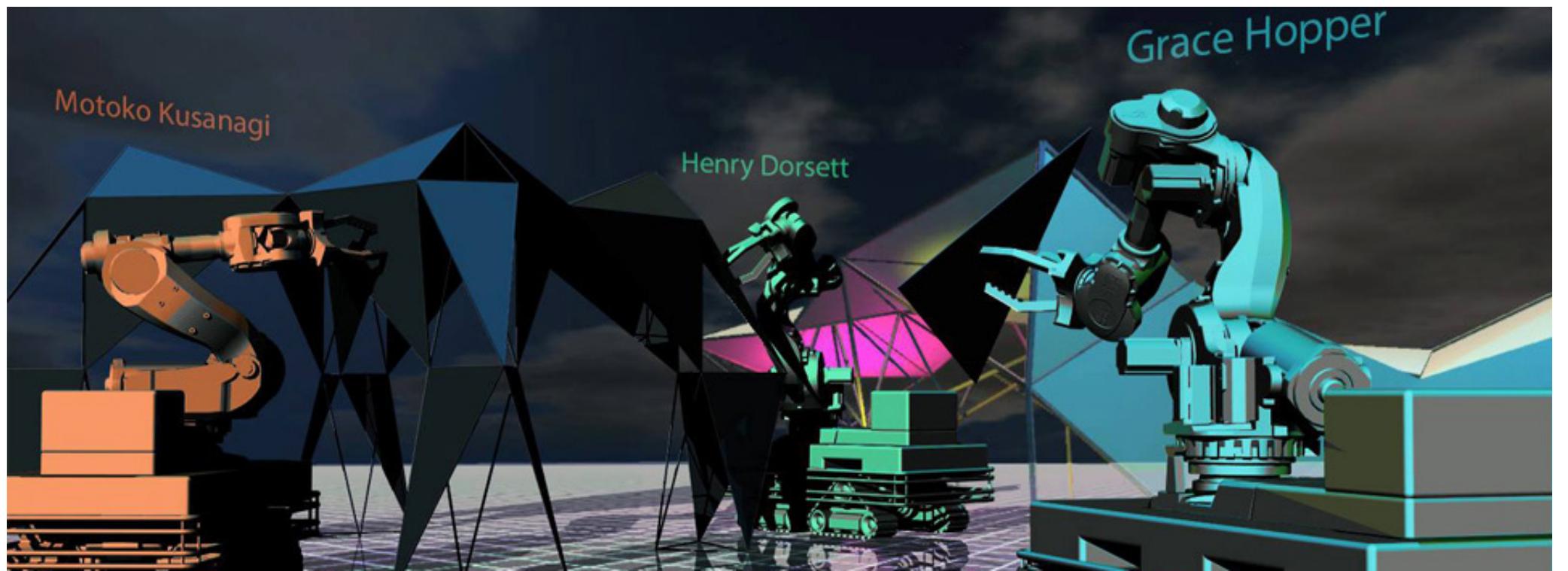
Sound Spectrum Materiality  
Sound analysis and extracting for 3D printing prototyping  
[Academic]





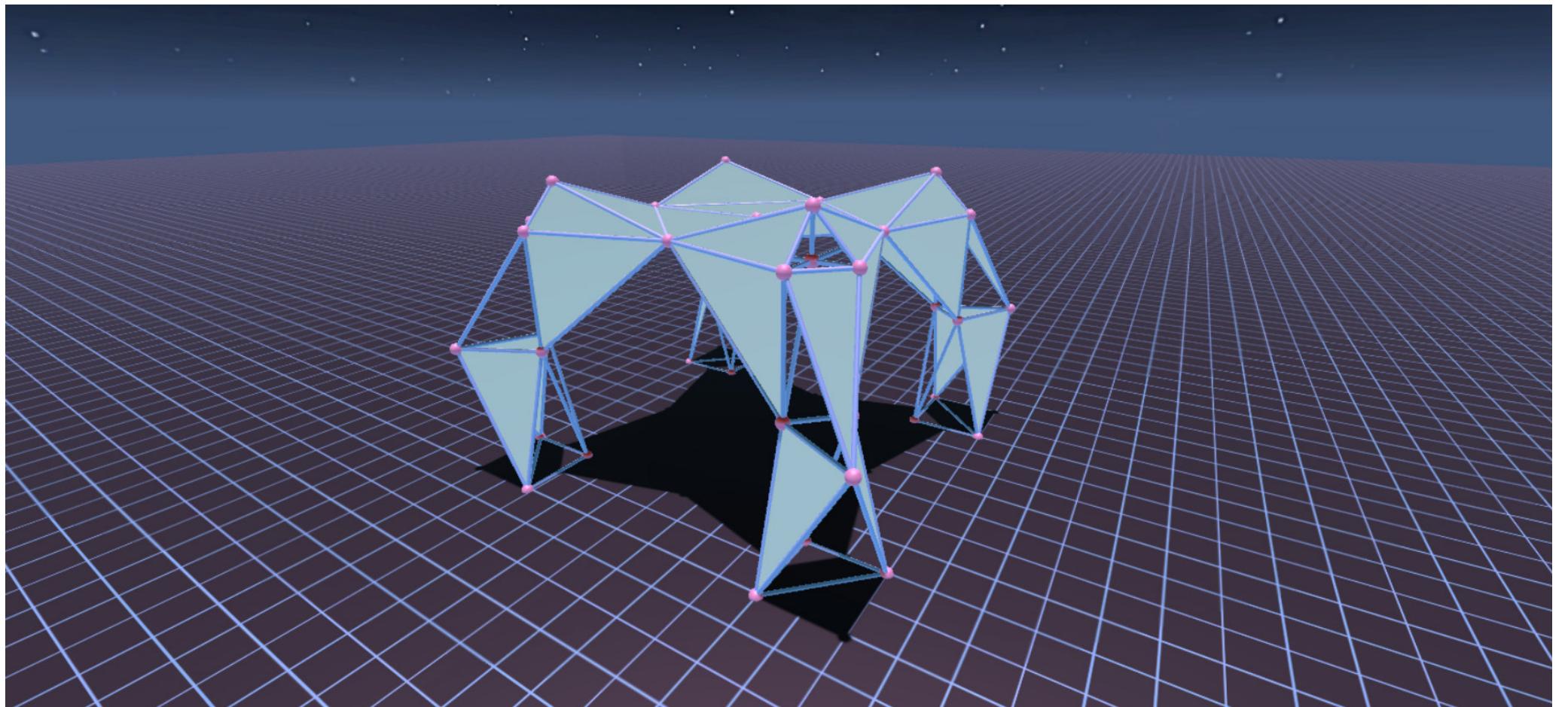
*Digital Tutoring*  
Robotic control, prototyping, 3D modeling and programming softwares  
[Teaching]



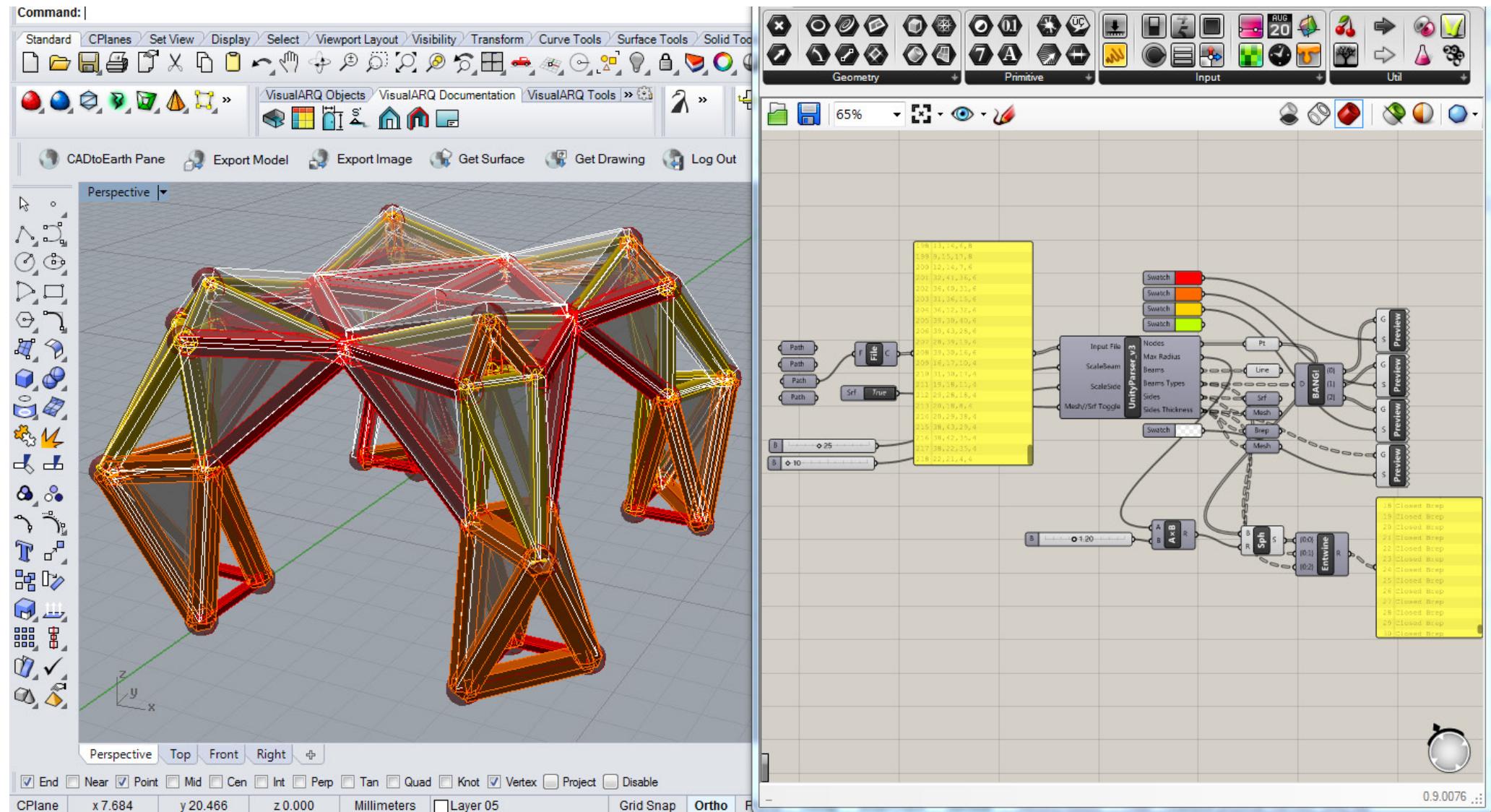


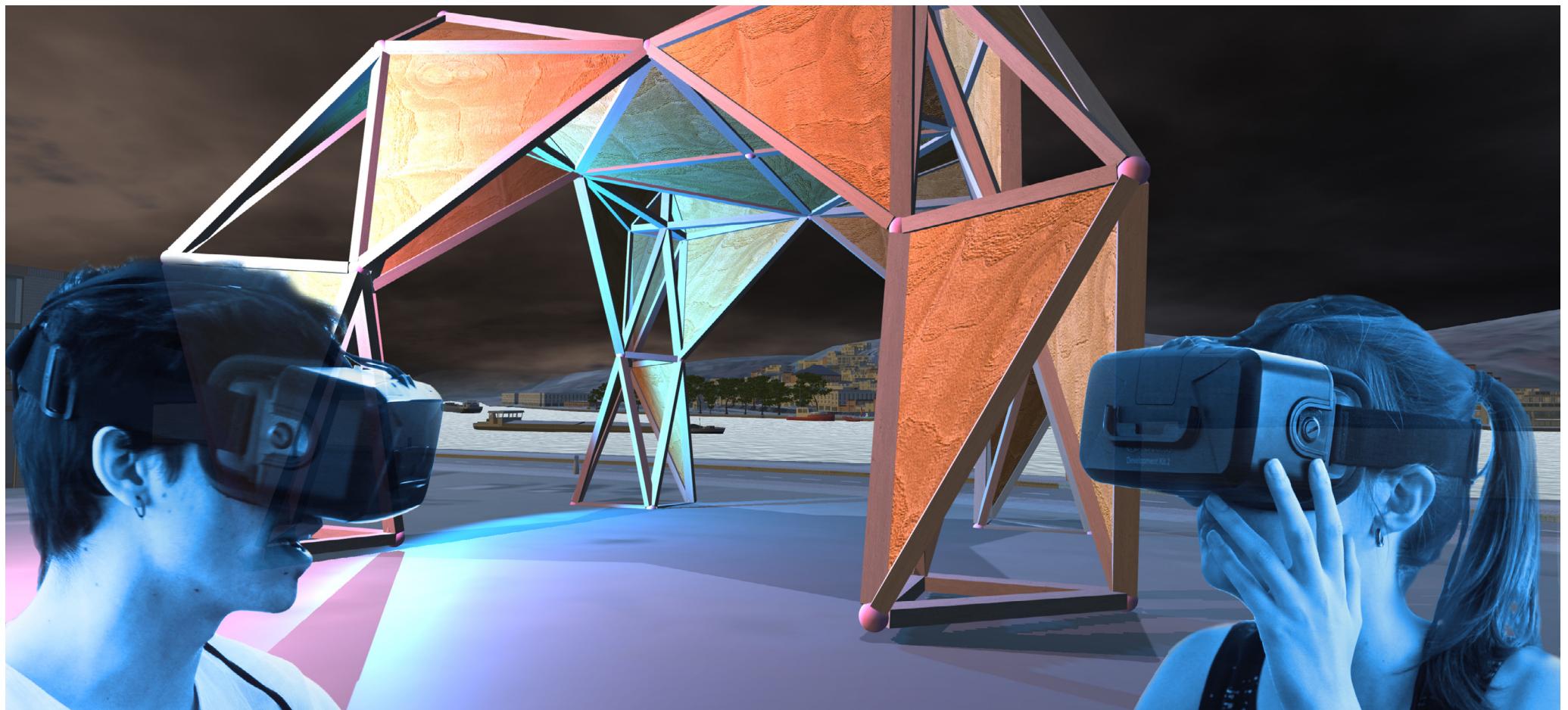
*AAG 2016 Workshop  
Multi-User Cobotics Simulation in Virtual Reality applied construction  
[Teaching]*





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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