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**Mathieu VENOT**

*mathieuvenot.com*



# Mathieu VENOT

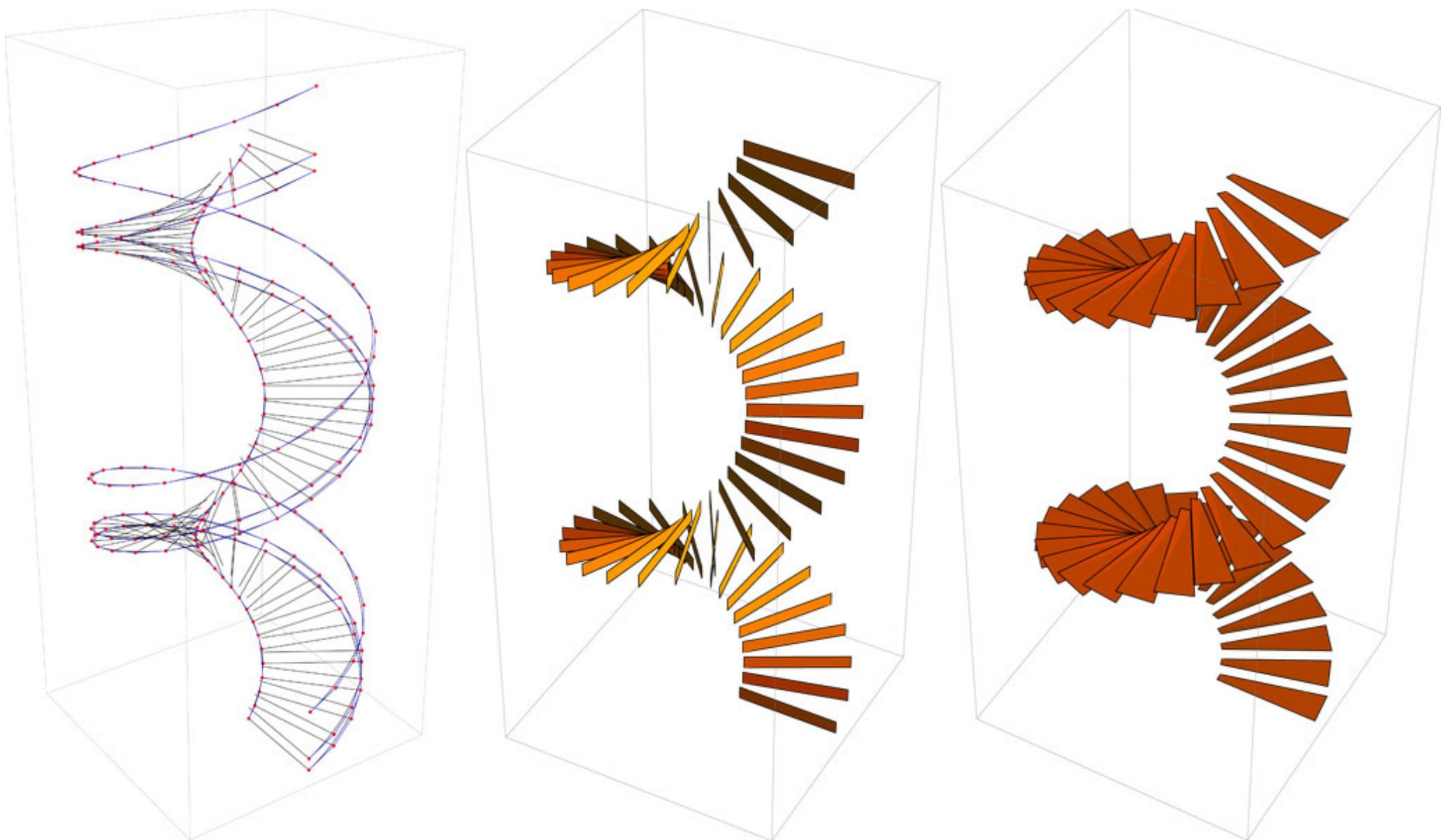
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[mat.venot@gmail.com](mailto:mat.venot@gmail.com)

*Student in Naval Architecture, MSc  
Architect, MArch  
Born September 30, 1990*

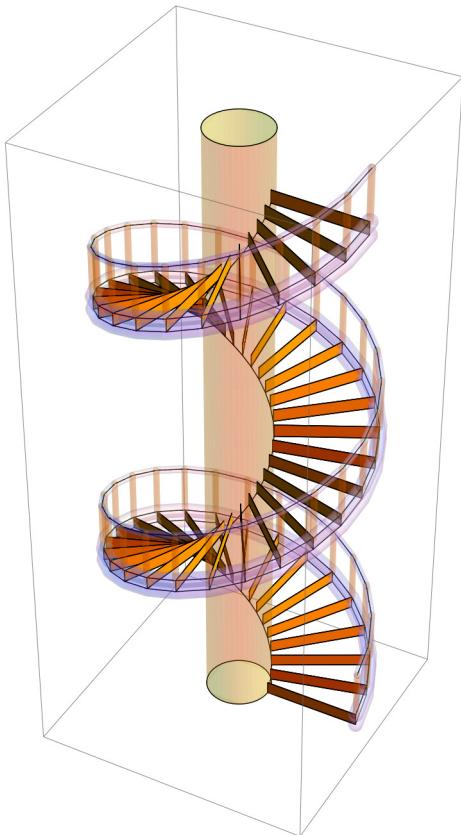
*[mathieuvenot.com](http://mathieuvenot.com)*

	Experience	Education
10/2015 - Now	Dixie Lab : Co-founder	
05/2013 - Now	Mathieu Venot : Consultant	
09/2018	ENSTA Bretagne : Naval Architect, MSc	
04/2018 - 08/2018	ENSTA Bretagne : Intern	
09/2017	DMS2017 : Workshop leader	
03/2017	ESBAM : Workshop leader	
09/2015 - 02/2017	ENSAPM : Workshop leader	
10/2016 - 01/2017	ENSAM - ENSCI Les Ateliers : Studio tutor	
11/2016	Dixie Lab : DixieVR publication	
09/2016	AAG2016 : Workshop leader	
09/2016	ENSAPM : Master thesis publication	
09/2013 - 09/2016	ENSAPM : Studio & Workshop tutor	
06/2016	ENSAPM : Architect, MArch	
06/2015 - 08/2015	LeFabShop : Intern	
07/2013	EZCT : Intern	
07/2011	Port Napoleon : Intern	

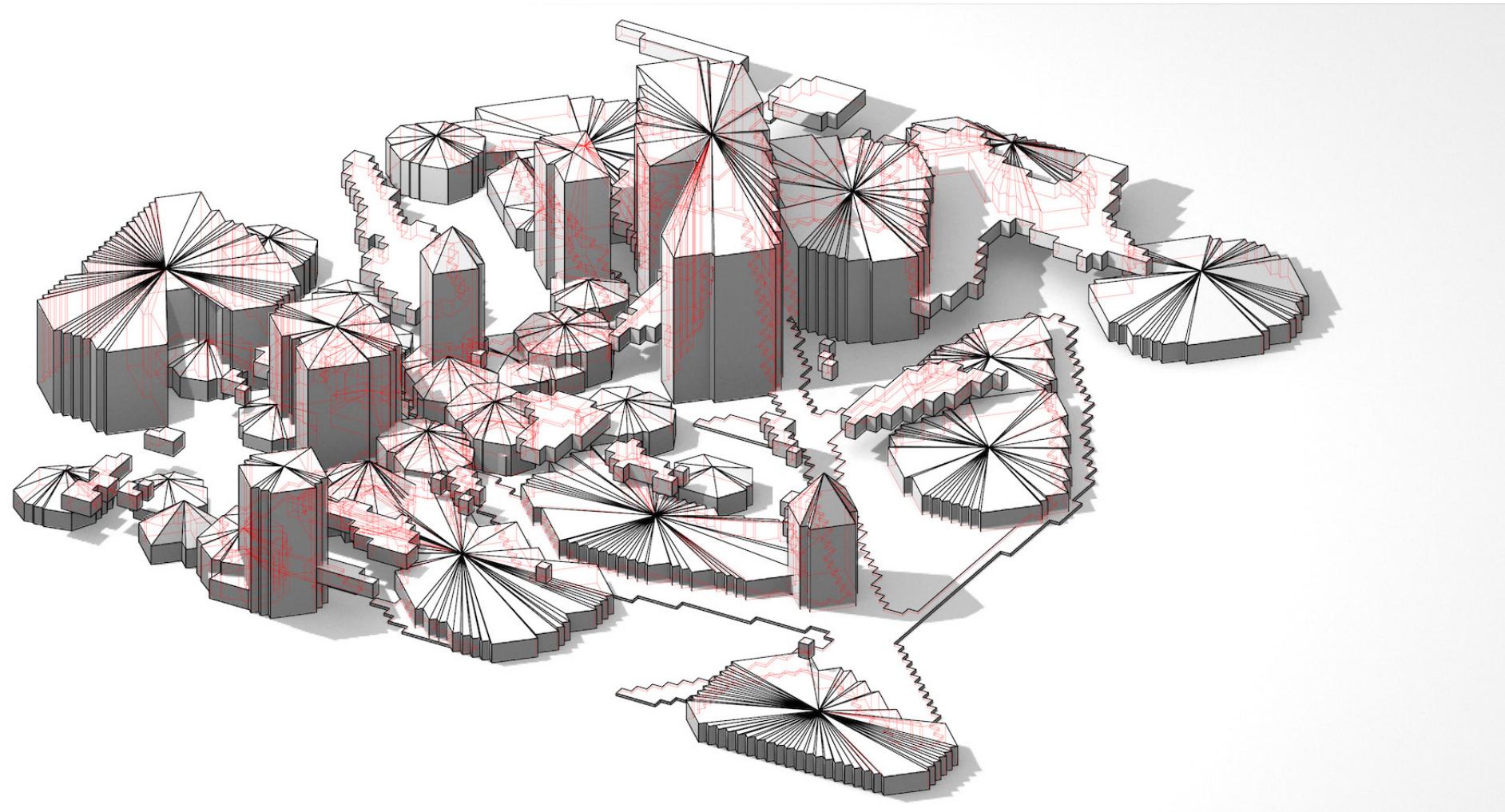


Mathematical programming  
*Helicoidal stair construction by mathematical operations*  
[Academic]

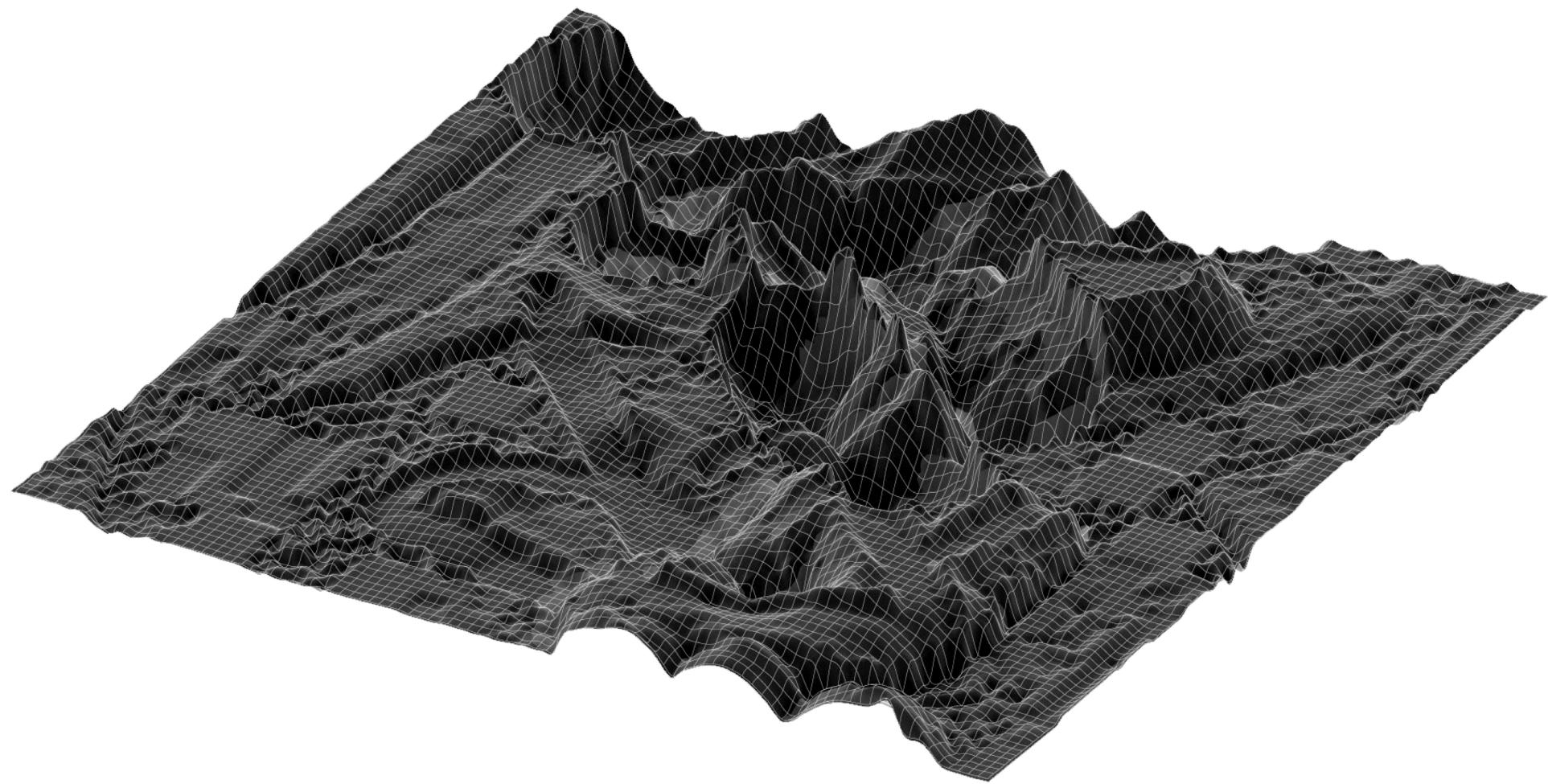
```
Show[{nonbezier1, nonbezier2, ligneh, lignehnez, tube, lignegarde,  
lignemarche, tubegarde, surfcm, tubemarche, tubeext, barriere}]
```

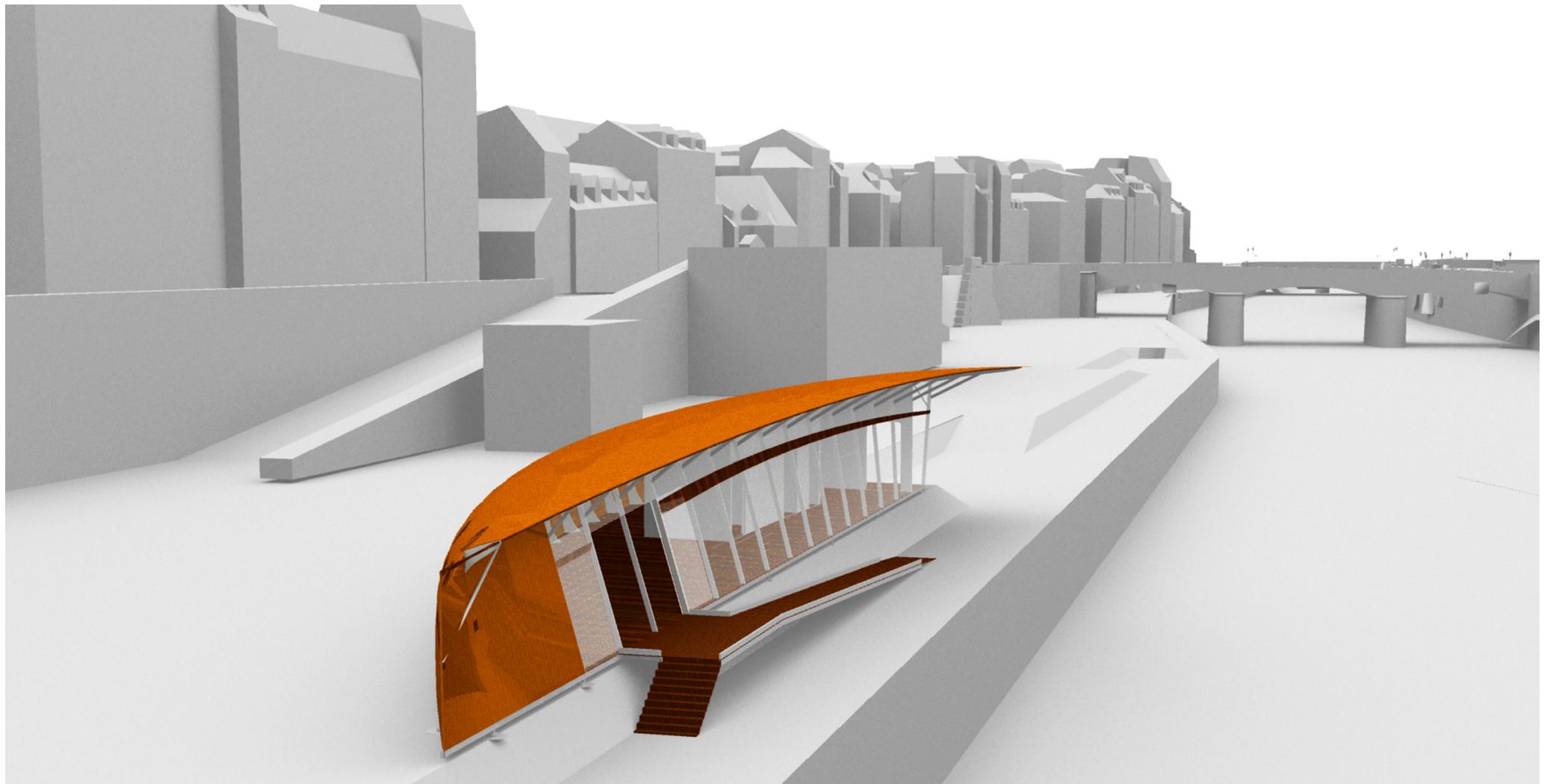


```
pointsSurfMarchel =  
Table[{ptsMarchesIntOK1[[i, j]], ptsMarchesExtOK1[[i, j]], ptsMarchesExtOK1[[  
i, j + 1]], ptsMarchesIntOK1[[i, j + 1]], ptsMarchesIntOK1[[i, j]]},  
{i, 1, Length[ptsMarchesIntOK1]}, {j, 1, Length[ptsMarchesExtOK1[1]]}];  
  
surfmarcheOk1 = Delete[Map[Polygon, pointsSurfMarchel,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

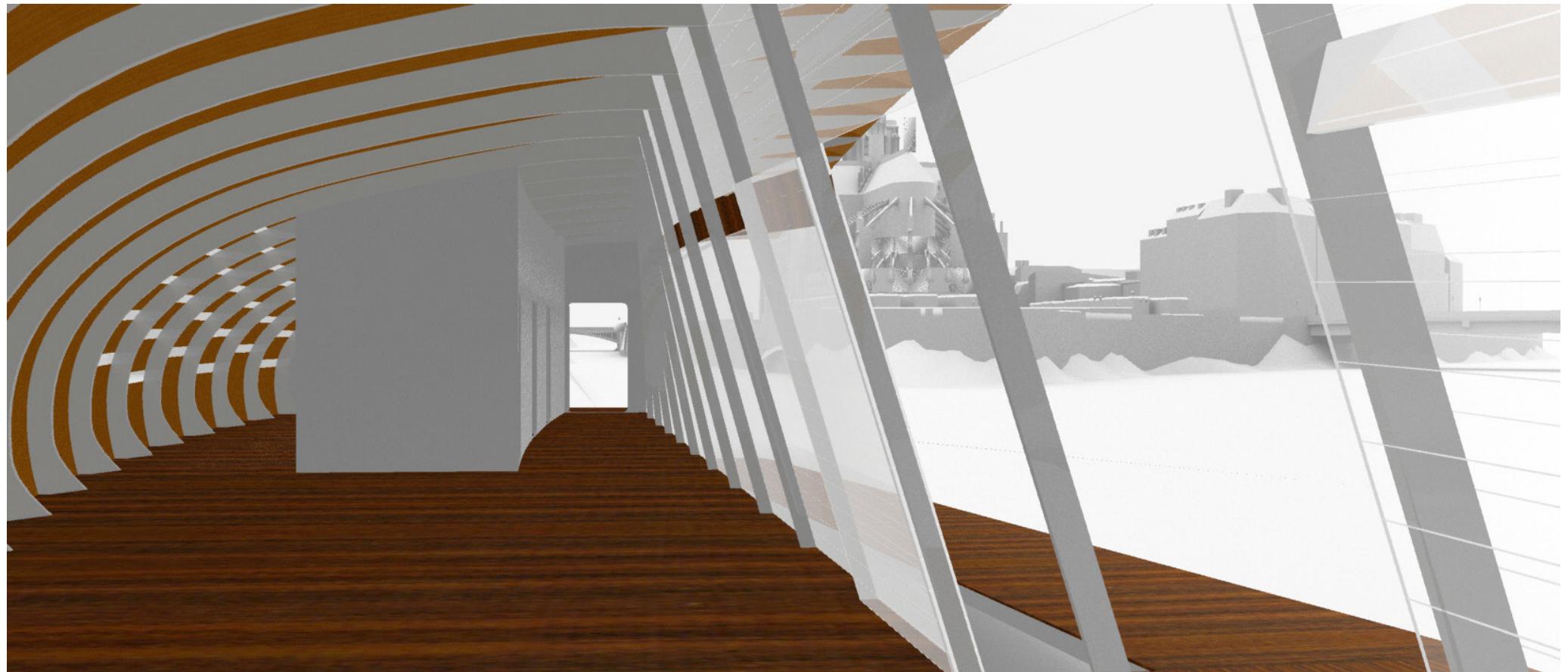


*Generative Landscapes*  
*Shape and color detection for procedural generation*  
*[Academic]*



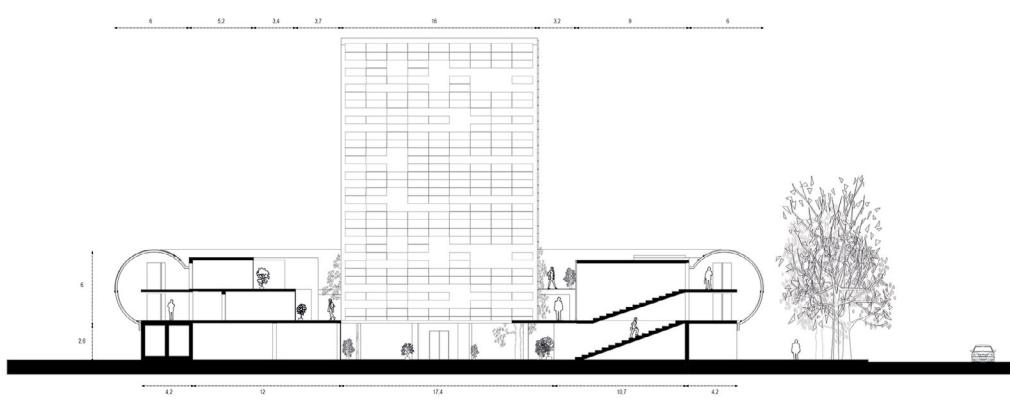
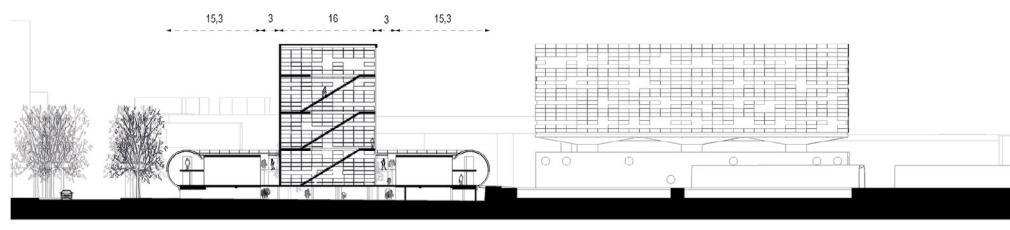
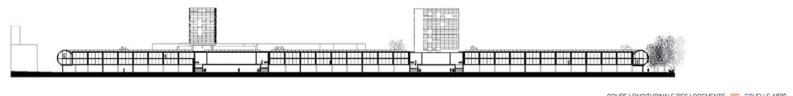
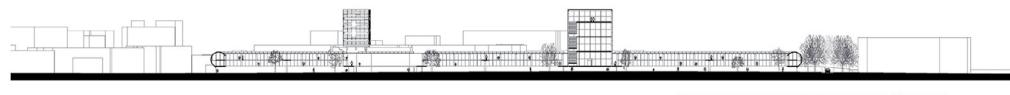
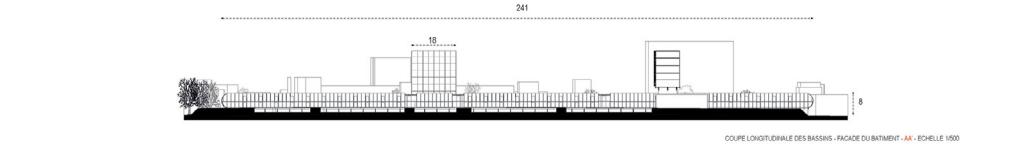
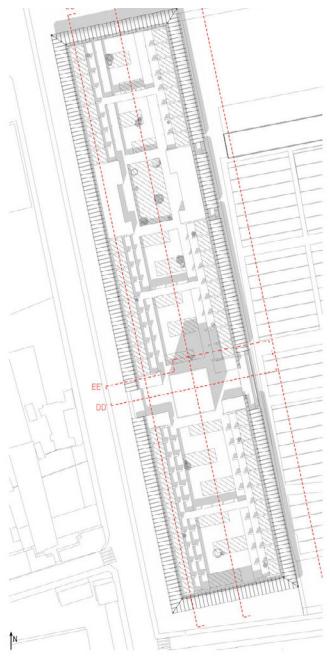


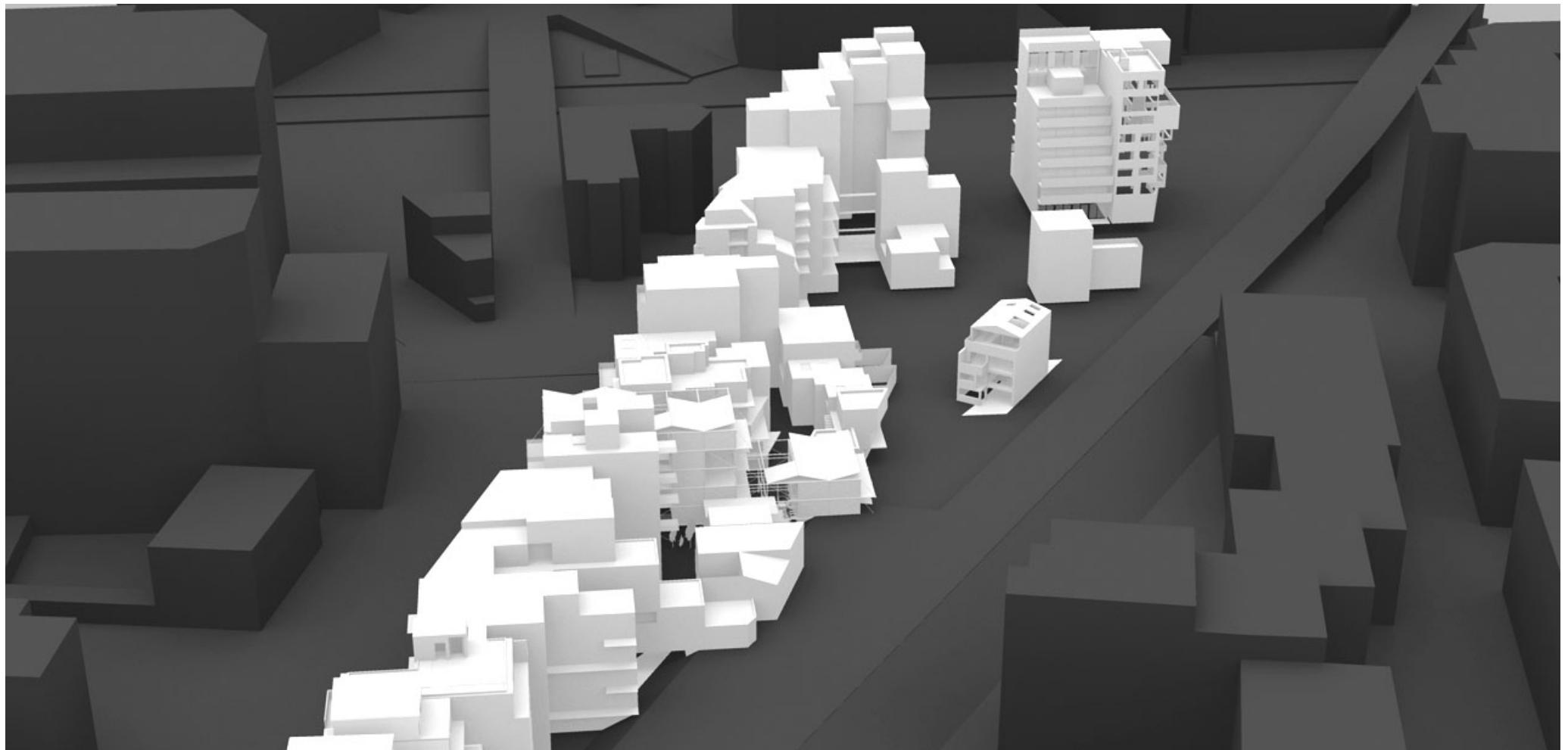
Structural Station Cover  
*Boat station parametric design*  
[Academic]



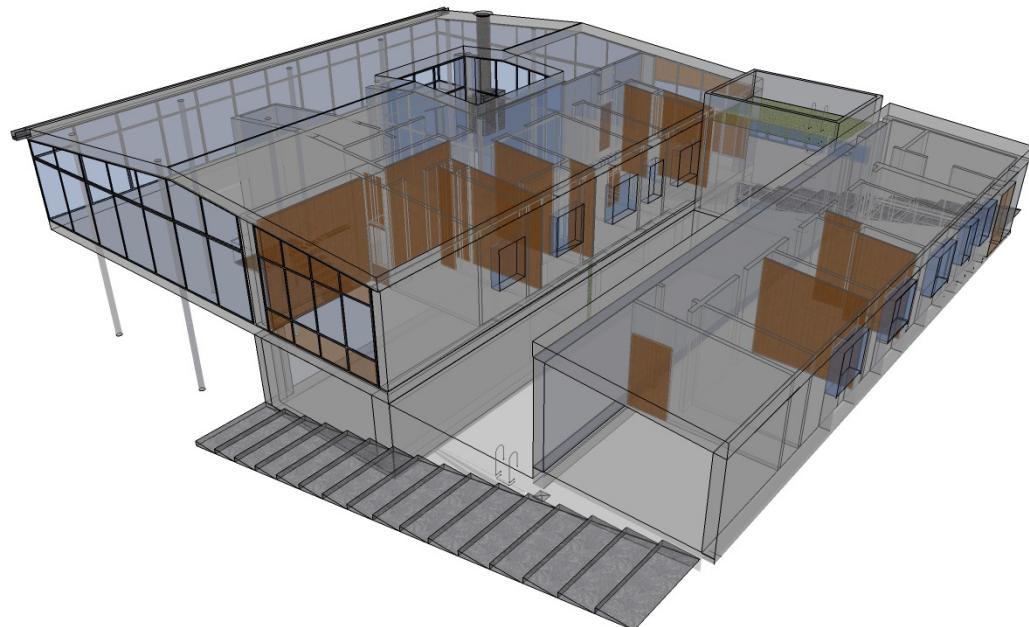
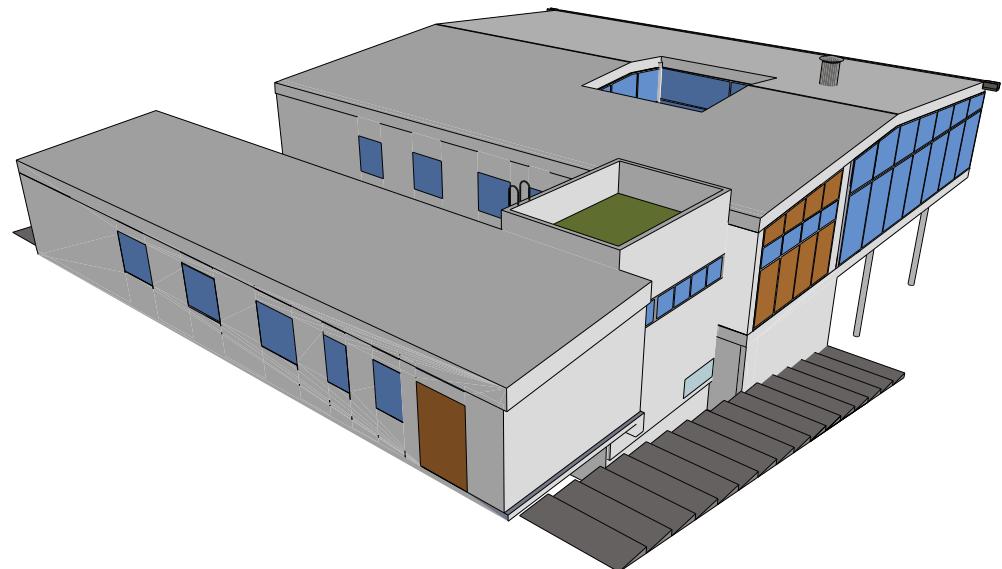
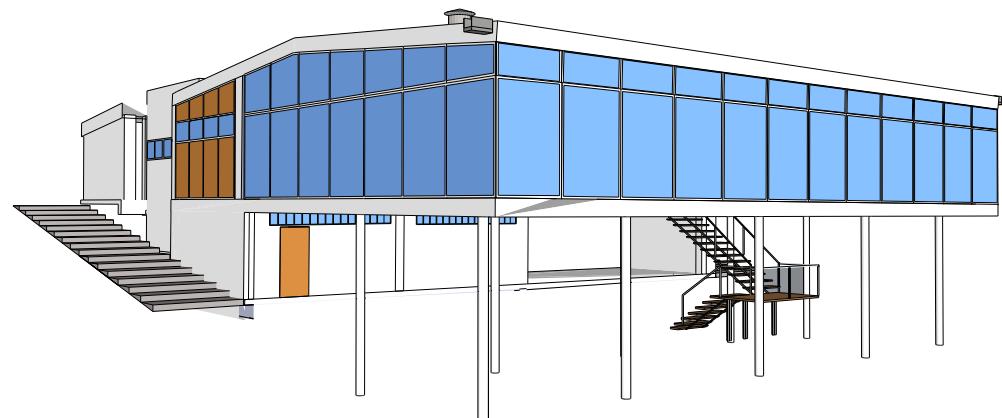


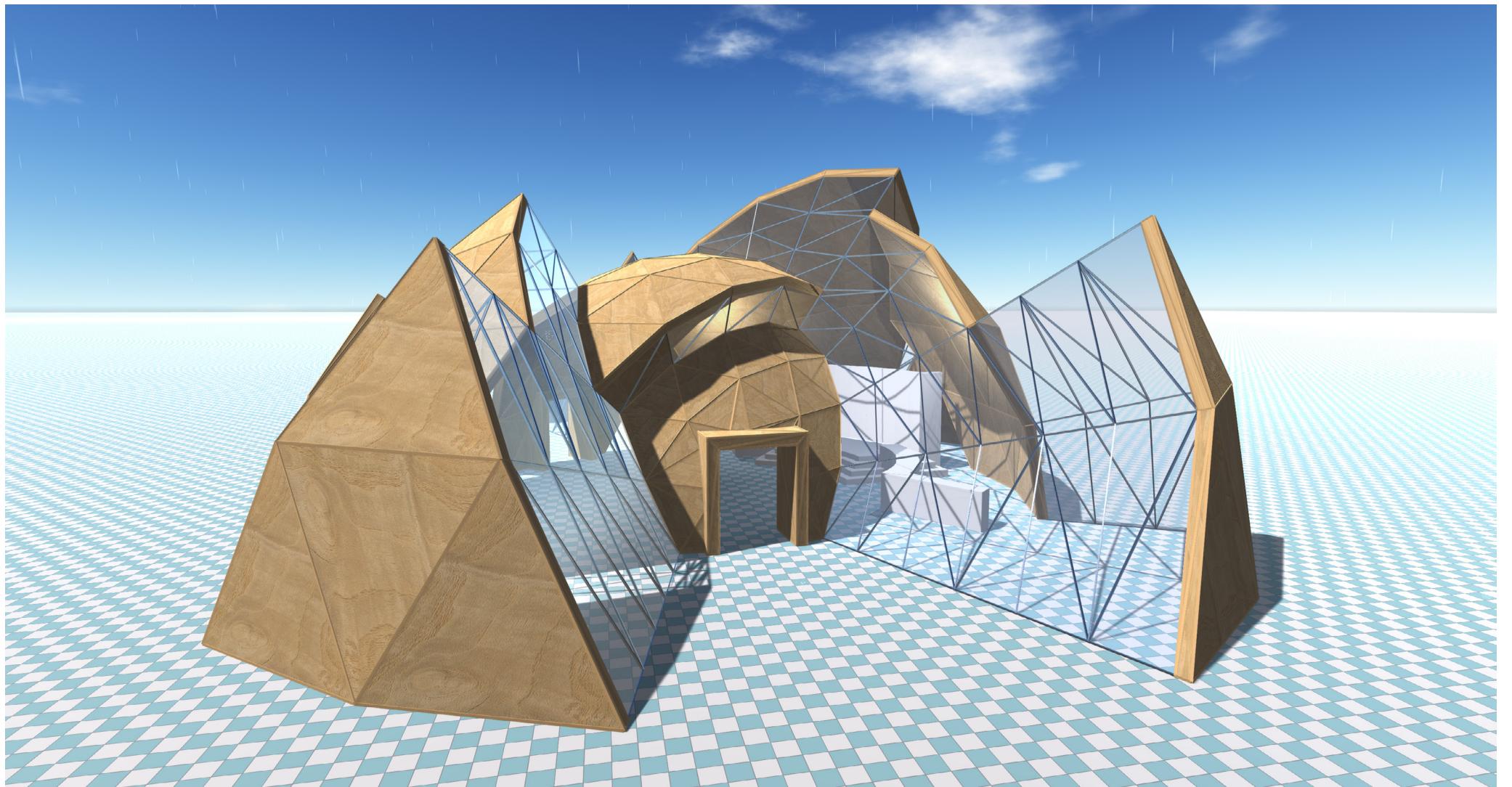
3D Print Mechanical Properties  
*Strength testing of 3D printing materials and optimal settings*  
*[Academic]*



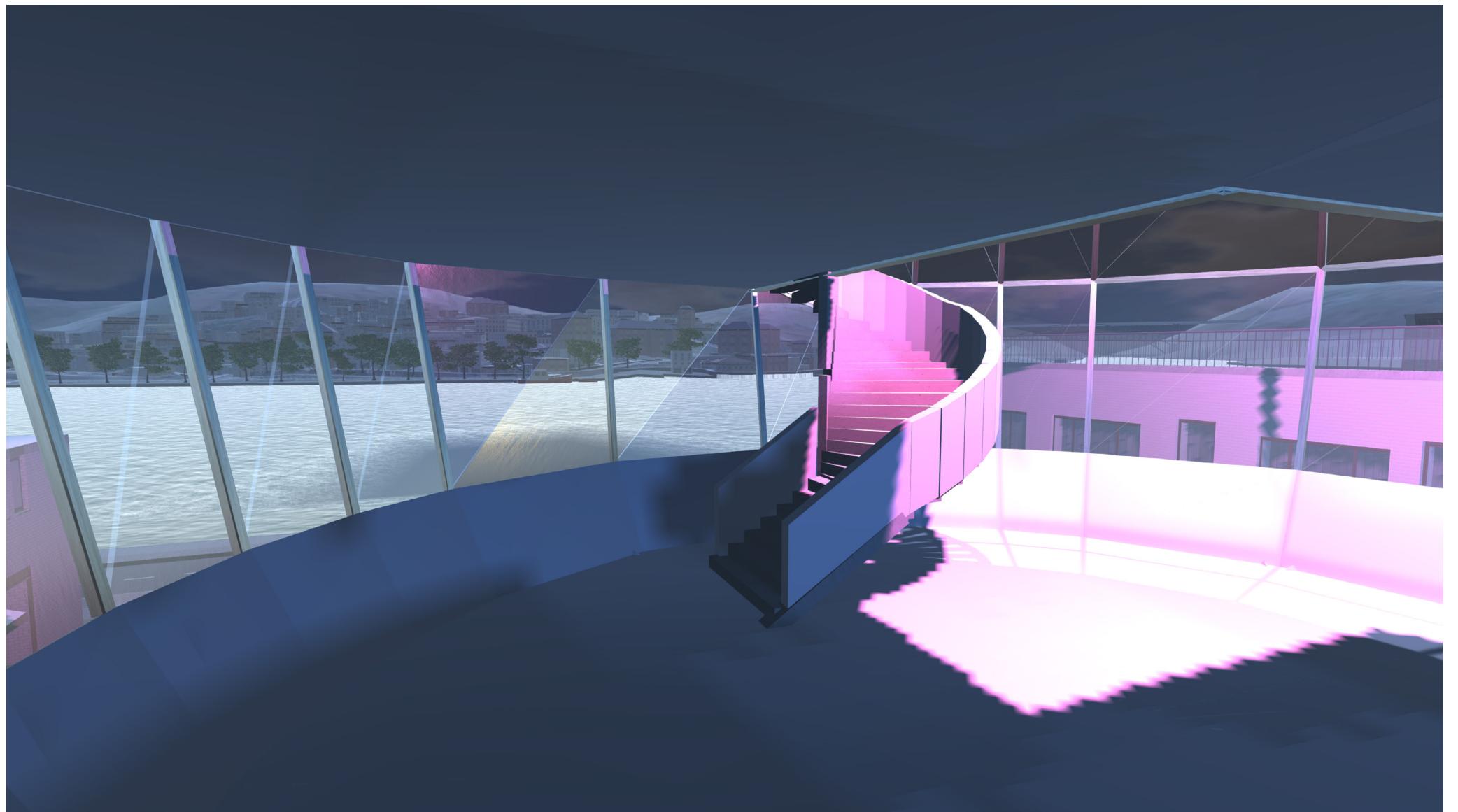


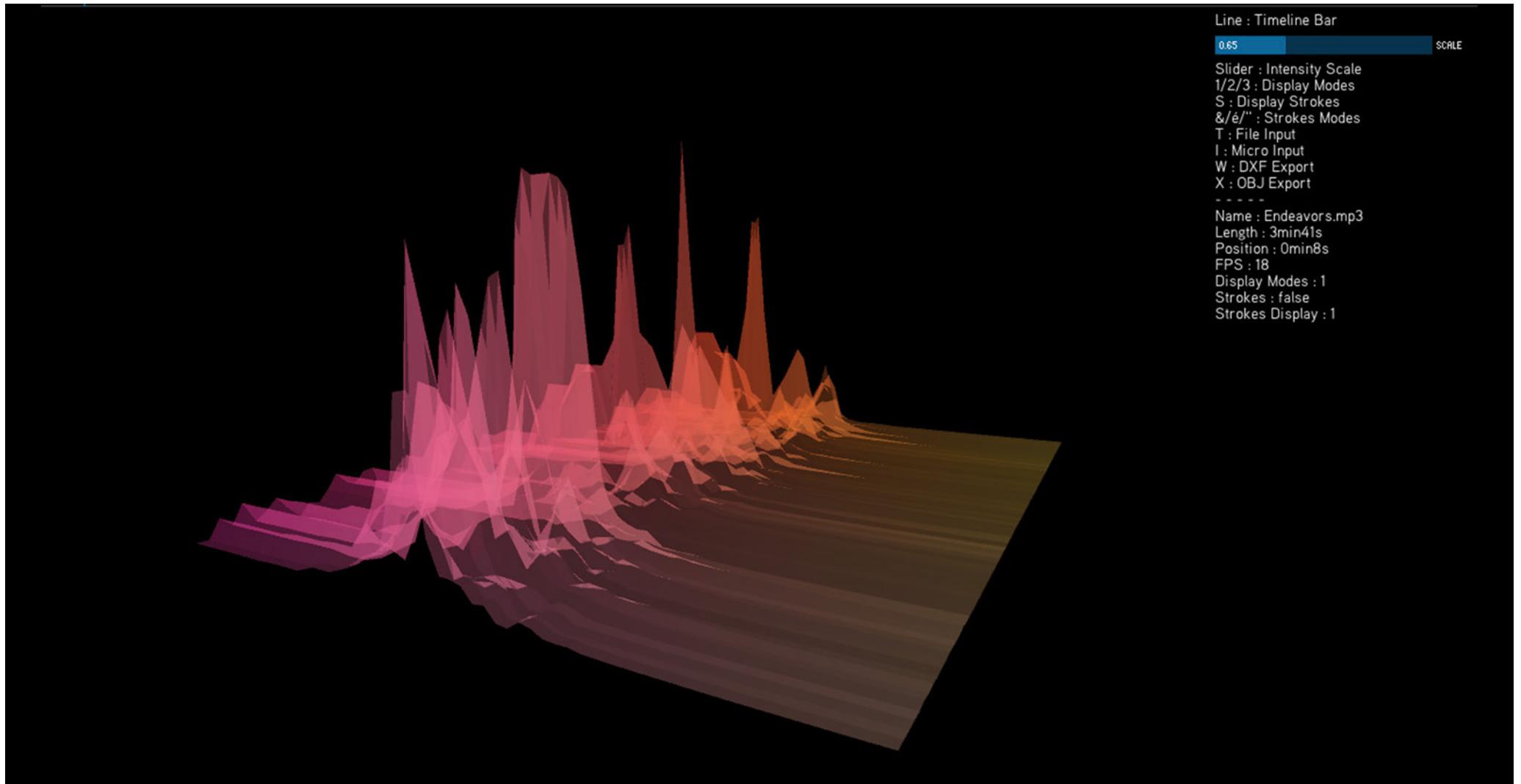
*Urban and Housing*  
*Program redefinition for Paris 19th district and housing analysis*  
*[Academic]*



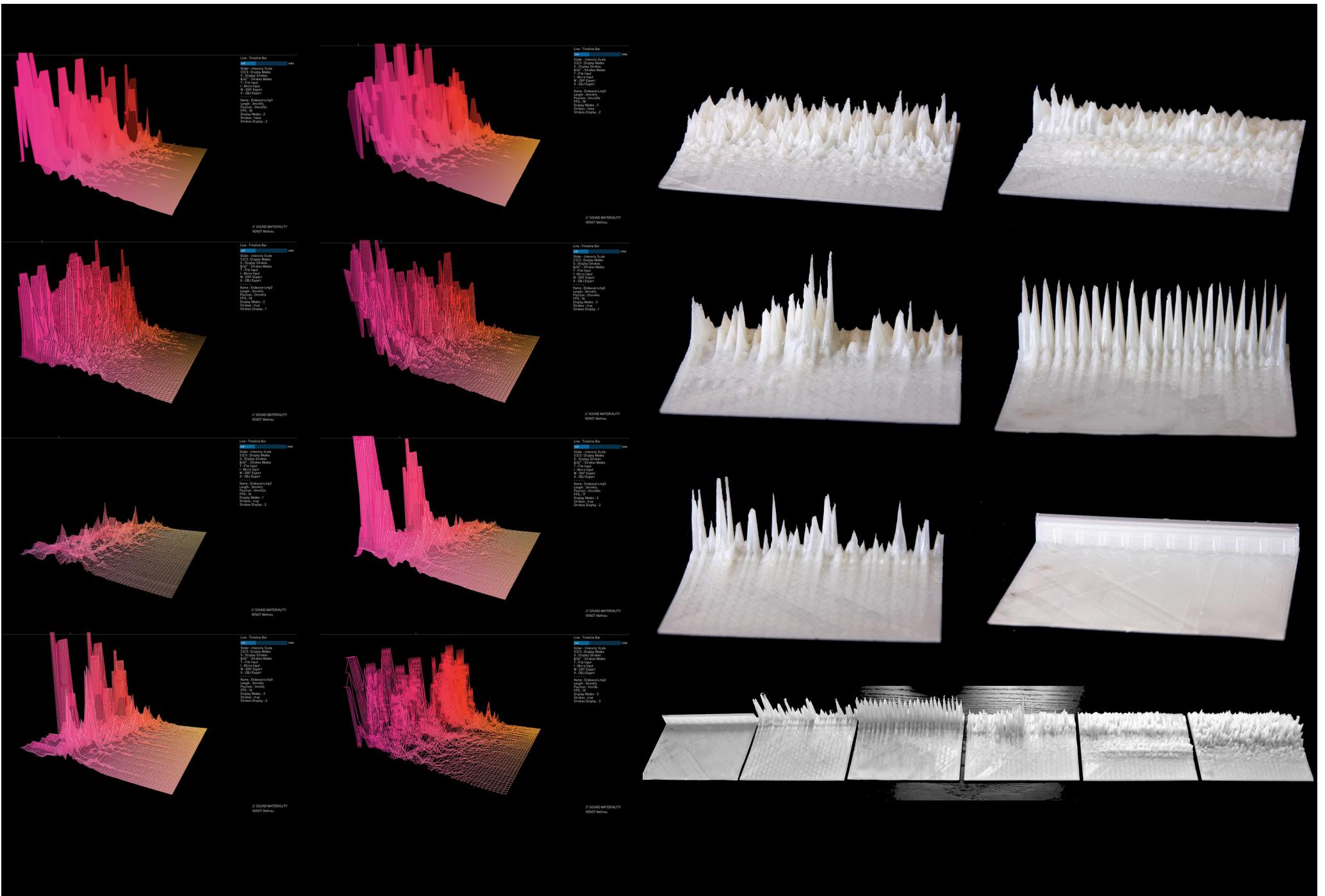


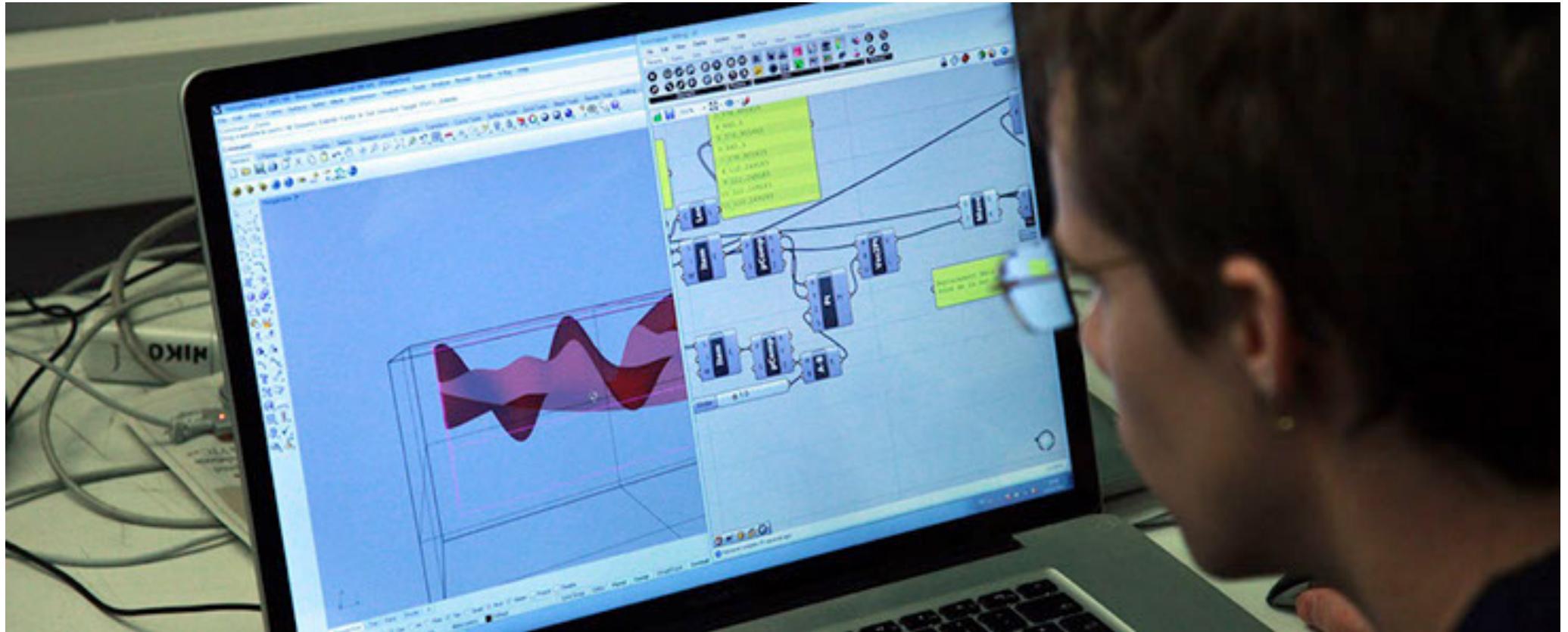
*Virtual Reality Architectural Conception Software*  
*Real-time immersive simulation, environment acquisition, interoperability and multi-user collaboration*  
*[Academic]*





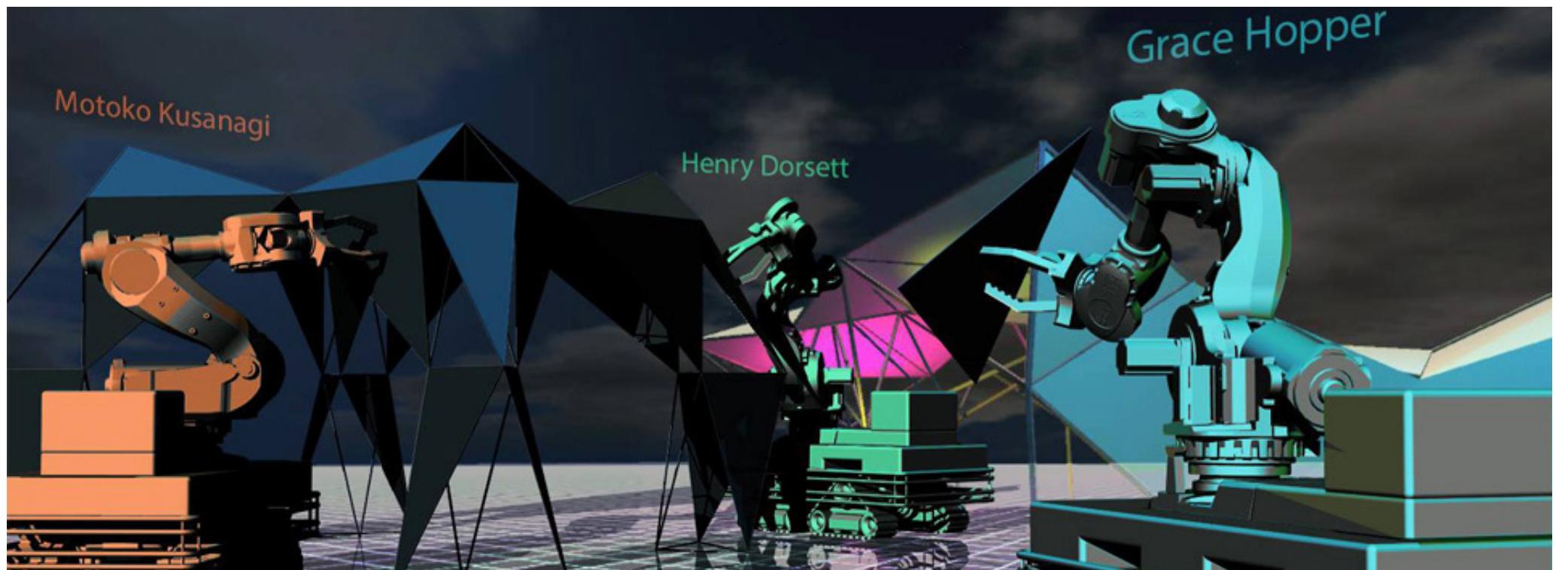
Sound Spectrum Materiality  
Sound analysis and extracting for 3D printing prototyping  
[Academic]





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





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





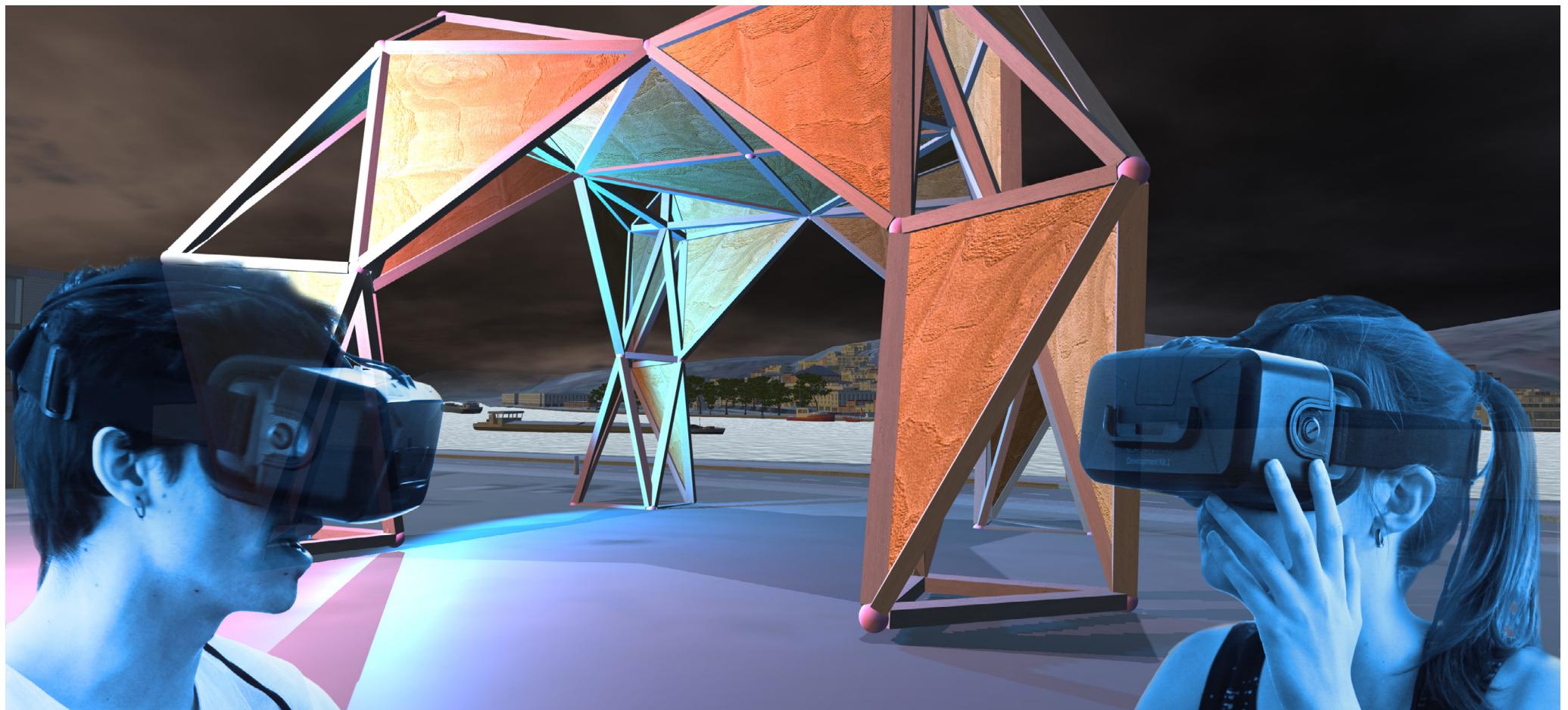
*DMS 2017 Workshop  
Virtual Immersive Architecture  
[Teaching]*



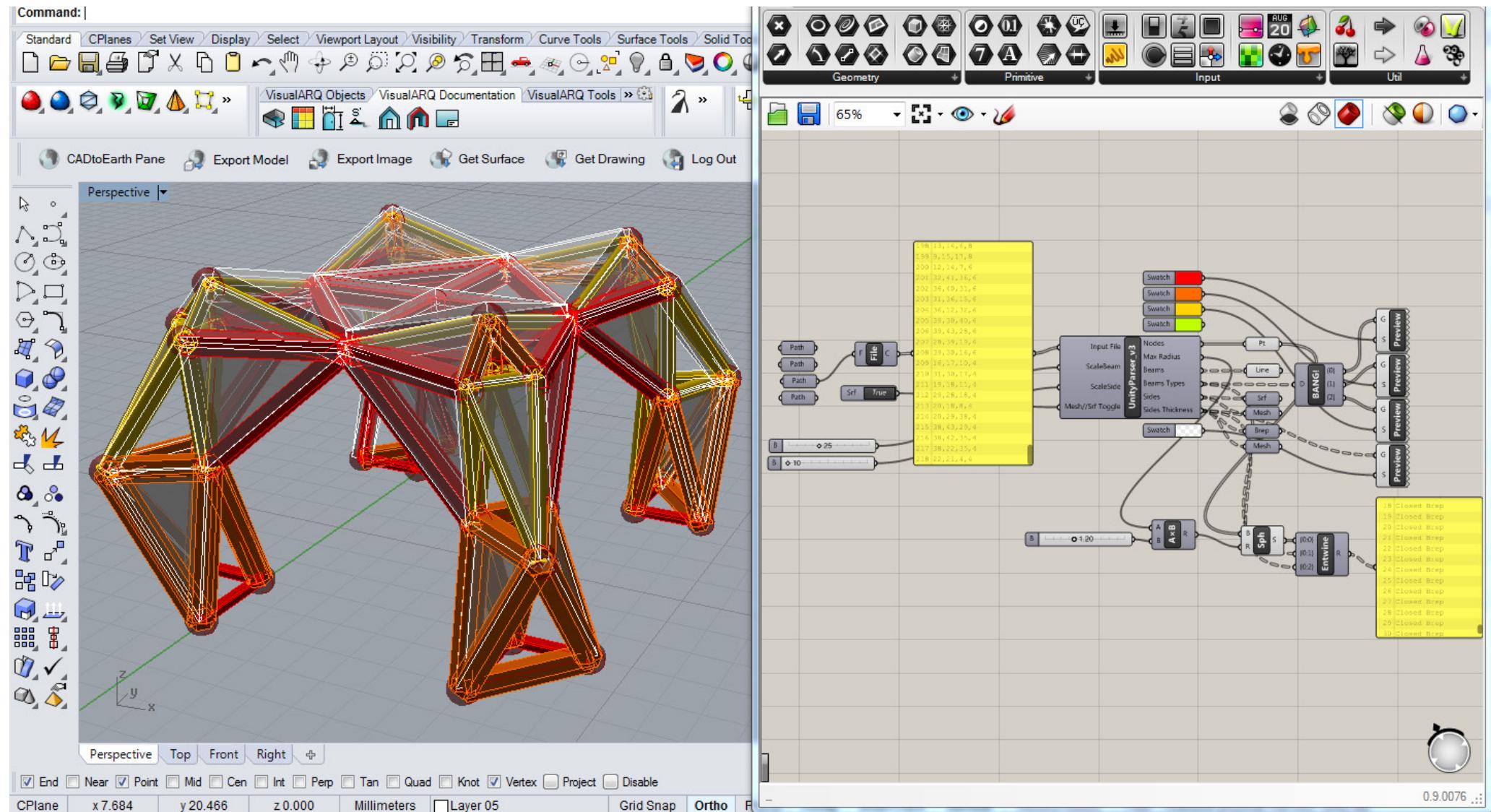


*Virtual Reality Workshops*  
*Architectural and fine arts schools, conventions and events, exhibitions and shows*  
*[Teaching]*





*DixieVR*  
*Immersive Multi-User Simulation for Architectural Conception*  
*[Professional]*





*Dixie Lab*  
*Virtual Reality Experts, Architectural Research, Real-time Rendering*  
*[Professional]*

recommended to suppress

1. squash and stretch
2. staging
3. anticipation
4. straight ahead and pose to pose
5. follow through and overlapping
6. slow in and slow out
7. arcs
8. secondary action
9. timing
10. exaggeration
11. solid drawings
12. appeal



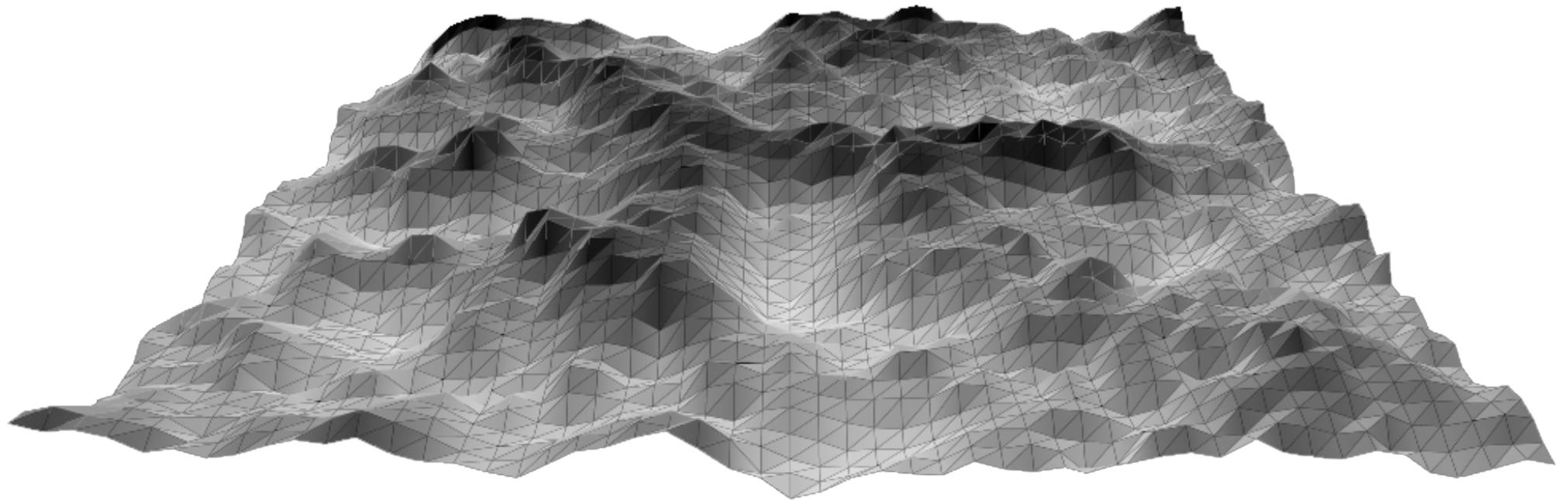


[mathieuvenot.com](http://mathieuvenot.com)  
*3D Design, 3D Printing, 3D Scanning, Digital Tutoring, Prototyping, Rendering, Web Design  
[Professional]*



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**Mathieu VENOT – Naval**

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**Maritime**  
**Fluvial**

- 
- The timeline diagram illustrates a sequence of maritime and fluvial projects from 1990 to 2018. Each project is represented by an arrow pointing upwards, with the start date in red at the bottom and the description in grey above it. The colors of the arrows correspond to the project types listed in the legend:
- Red arrow:** Coco 650 : Vacances en Méditerranée. Parents régatiers amateurs (Transgascogne, Triangle du Soleil) (1990 - 2000)
  - Yellow arrow:** Randonneur 1200 : Projet de construction amateur. Acquisition des plans et d'une partie du matériel (2008 - 2009)
  - Blue arrow:** First 35 : Vacances en Méditerranée. Convoyages et Voyage d'un an autour de l'Atlantique nord (2 Transat') (2000 - 2012)
  - Green arrow:** Dufour 325 : Location en Bretagne sud (2009)
  - Grey arrow:** Cigale 16 : Equipier sur navigations dans l'arc Antillais (2010)
  - Grey arrow:** ANFR : Certificat Restreint de Radiotéléphoniste Maritime (2016)
  - Grey arrow:** Péniche Freycinet : Enfance sur péniche logement familiale. Convoyages et Travaux d'aménagement (1990 - Now)
  - Grey arrow:** Planche à voile : Pratique en Méditerranée et lacs (2004 - Now)
  - Grey arrow:** RM 1050 : Vacances en Bretagne, Angleterre et Méditerranée. Convoyages et Travaux de réparation (2012 - Now)
  - Grey arrow:** Plug-in naval Gh (WIP) : Développement d'outils de calculs hydrostatiques pour Grasshopper 3D (Rhinoceros) (2017 - Now)
  - Grey arrow:** Navire militaire (WIP) : Conception d'une frégate militaire. Projet académique (2017 - Now)
  - Grey arrow:** Classe 950 (WIP) : Conception d'un classe 950 course - croisière. Projet académique (2017 - Now)
  - Grey arrow:** Voilier expédition (WIP) : Conception d'un bateau de voyage mer - rivière, type Scow - Tjalk. Projet académique (2017 - Now)
  - Grey arrow:** Proto Mini 650 RC (WIP) : Construction d'une maquette navigante et autonome, échelle 1/10 (2018)
  - Grey arrow:** Simulation navale VR (WIP) : Développement d'une visualisation physique interactive en réalité virtuelle (2018)



RM 1050  
*Réparation, vacances, convoyages, skipper  
[Voile]*





*Planche à voile*  
*funboard*  
*[Voile]*





*Péniche Freycinet*  
Aménagement, convoyages  
[Construction]





Dufour 325 / Cigale 16  
Location / Equipier  
[Voile]





*First 35*  
*Vacances, convoyages, année sabatique, skipper*  
*[Voile]*





Coco 650  
Vacances, régates  
[Voile]



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