



Contemplay Pavilion

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Schedule

Intro Tutorials

27th Sep to 30th Sep

0 - Tutorials in Grasshopper - Centre Pompidou Metz (Grid Shell):

27th - 8.30am - 10.30am

28th - 6.30pm - 8.30pm

29th - 6.30pm - 8.30pm

30th - 6.30pm - 8.30pm

12th Oct to 14th Oct

00 - Tutorials in Grasshopper - Space Frame:

12th - 6.30pm - 8.30pm

13th - 6.30pm - 8.30pm

14th - 6.30pm - 8.30pm

Overview

I - Brainstorming Session - (groups of 4-5 people) - 5th Oct 2010 at 6.30pm to 9.00pm - short presentation + feedback

II - Concept Design - (groups of 4-5 people) - from 5th Oct to 19th Oct 2010 - submission + presentation by 19th Oct

II - Detailed Design - (specialisation by group) - from 22nd Oct to 6th Dec 2010

IV - On Site Construction - (entire group) - from 10th Jan 2010 to 26th February 2010

Detailed Schedule

Oct	I - Brainstorming Session - (groups of 4-5 people) - 5th Oct - 6.30pm - 9.00pm		
	This will be a brainstorming session where students in groups of 4 to 5 people will briefly present a conceptual design: 15min presentation. Only sketches and first thoughts/ideas required at this stage. The aim is to provide feedback to each group at an early stage prior to full development of the concept design.		
	Groups as follows:		
	Team 1	Team 2	Team 3
	Justin	Hamsa	Nick
	Diandra	Elisa	Michael
	Courtney	Dina	Eole
	Vuk	Simon	Sophie
	Olga	Genevieve	Shelly

Detailed Schedule

Oct

II - Concept Design - (groups of 4-5 people) - 5th Oct 2010 to 22nd Oct 2010

Presentation (15 min) - Students will present their concept design. **Scheduled for 19th October (6.30pm to 9.00pm).**

Concept Design at this stage should include the following:

- Material: timber (MDF, plywood, etc)
- Digital Model (fabrication sheets not required at this stage, just 3D model representation) - using Grasshopper and/or Vbscript
- Fabrication Logistics (options including plan in draft for on site installation)
- Buildability (how and where has buildability been considered?)
- Site: Pavilion will be installed at McGill Campus and then transported/donated to a community in Montreal (school or similar) later on during the year. Pavilion will be finished in time for ACSA 2010 Annual Meeting.
- Budget: \$2000 CDN (CNC cutting free of charge; sponsorship for timber materials will be necessary)

Submission by 19th Oct of two panels in A3 briefly summarising and illustrating the points listed above.

Decision on the proposal that will be fully developed will be announced by **22nd Oct**

Detailed Schedule

Oct-Nov-Dec

III - Detailed Design - (different groups for each area) - 22nd Oct 2010 to 6th Dec 2010

Students will specialise in the following areas:

- Computational design:
 - Preparation of the digital model for fabrication; including final cutting sheets/data ready for fabrication (2 people)
- Detailing:
 - Other details not already included in the cutting sheets for fabrication (2 people)
- Structural design:
 - Structural analysis & liaison with Computation Design group for development of structural details (2 people + Maria Mingallon)
- Material testing:
 - physical scaled models & mock ups for testing of materials and fabrication (4 people)
- Fabrication and Assembly:
 - Development of a method statement (methodology) for fabrication (cutting), transportation to site and assembly; including construction sequence drawings/sketches up to final completion; a construction programme should also be included indicating the time for each activity and identifying the critical path (2 people)
- Material logistics & Cost Management:
 - Management & procurement for material suppliers; Cost Management in liaison with the groups specialised in Fabrication and Assembly, Detailing and Material Testing (2 people)

**** Construction on Site (14 people - entire group)**

Detailed Schedule

Jan

IV - On Site Construction - 10th Jan 2010 to 26th February 2010

- Fabrication must start on the 10th Jan 2010 as the latest
- All pieces must be cut and ready for assembly by 31st Jan 2010
- Assembly must start 1st Feb 2010 as the latest
- Installation on site must start 14th Feb 2010 as the latest
- At this stage, the group specialised in Fabrication and Assembly will distribute the different tasks involved in the assembly and construction of the pavillion. They will also ensure construction on site progresses as per the Construction Programme prepared during the previous phase.
- Construction Completion is scheduled by 26th February 2010

Annexe A:

Examples of Pavillions :

**Architectural Association DRL + EmTech
+ Institute for Computational Design, Stuttgart**

<http://cspacepavilion.blogspot.com/2008/06/aa-pavilion.html>

<http://www.core.form-ula.com/2008/04/16/c-space-adrlten-pavilion/>



http://designandmake.aaschool.ac.uk/?page_id=300



<http://www.dezeen.com/2008/07/15/swoosh-pavilion-at-the-architectural-association/>



<http://design-afterhours.blogspot.com/2009/07/aa-summer-pavilion-driftwood-london-uk.html>



<http://www.designboom.com/weblog/cat/9/view/3932/swiss-pavilion-at-the-venice-architecture-biennale-08.html>



<http://www.youtube.com/watch?v=Ja24cZLISAk>



<http://icd.uni-stuttgart.de/?p=4458>



<http://icd.uni-stuttgart.de/?p=4458>



Stuttgart University

ICD

Institute for Computational Design
Institut für Computerbasiertes Entwerfen

itke

Institut für Tragkonstruktionen
und Konstruktives Entwerfen

RESEARCH PAVILION ICD/ITKE 2010

Annexe B:

Design & Construction Programme

Note: This programme will be refined as the project progresses.
Some of the following dates are yet to be confirmed

October 2010							October 2010							November 2010						
Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3								1	2	3	4	5	6	7
4	5	6	7	8	9	10								8	9	10	11	12	13	14
11	12	13	14	15	16	17								15	16	17	18	19	20	21
18	19	20	21	22	23	24								22	23	24	25	26	27	28
25	26	27	28	29	30	31								29	30					

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Notes
27 Sep	28	29	30	1 Oct	2	3	
4	5	6	7	8	9	10	
18.30 20.30 I - Brainstc							Development of the Concept Design & Presentation for 19th Nov Tuesday
11	12	13	14	15	16	17	
Development of the Concept Design & Presentation for 19th Nov Tuesday							
18	19	20	21	22	23	24	
Development of the Cor 18.30 20.30 II - Concep							Announcement of Cor
25	26	27	28	29	30	31	
18.30 20.30 III - Details							Detailed Design To 12 Dec ➡

November 2010

November 2010						
Mo	Tu	We	Th	Fr	Sa	Su
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

December 2010						
Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

							Notes
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	
1 Nov	2	3	4	5	6	7	
From 25 Oct Detailed Design							
1 - 7 Nov							
8	9	10	11	12	13	14	
Detailed Design							
8 - 14 Nov							
15	16	17	18	19	20	21	
Detailed Design							
15 - 21 Nov							
22	23	24	25	26	27	28	
Detailed Design							
22 - 28 Nov							
29	30	1 Dec	2	3	4	5	
Detailed Design							
29 Nov - 5 Dec							

December 2010

December 2010						
Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

January 2011						
Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Notes
	29 Nov	30	1 Dec	2	3	4	5	
29 Nov - 5 Dec	Detailed Design							
	6	7	8	9	10	11	12	
6 - 12 Dec	18.30 20.30 Detailed D							
	13	14	15	16	17	18	19	
13 - 19 Dec								
	20	21	22	23	24	25	26	
20 - 26 Dec								
	27	28	29	30	31	1 Jan 11	2	
27 Dec - 2 Jan								

January 2011

January 2011						
Mo	Tu	We	Th	Fr	Sa	Su
3	4	5	6	7	1	2
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February 2011						
Mo	Tu	We	Th	Fr	Sa	Su
7	1	2	3	4	5	6
14	8	9	10	11	12	13
21	15	16	17	18	19	20
28	22	23	24	25	26	27

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Notes
27 Dec - 2 Jan	27 Dec	28	29	30	31	1 Jan 11	2	
3 - 9 Jan	3	4	5	6	7	8	9	
10 - 16 Jan	10	11	12	13	14	15	16	
	Fabrication Starts	Fabrication & Assembly						
17 - 23 Jan	17	18	19	20	21	22	23	
	Fabrication & Assembly							
24 - 30 Jan	24	25	26	27	28	29	30	
	Fabrication & Assembly							
31 Jan - 6 Feb	31	1 Feb	2	3	4	5	6	
	Fabrication & Assembly							

February 2011

February 2011						
Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March 2011						
Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Notes
	31 Jan	1 Feb	2	3	4	5	6	
31 Jan - 6 Feb	Fabrication & Assembly							
	7	8	9	10	11	12	13	
7 - 13 Feb	Fabrication & Assembly							
	14	15	16	17	18	19	20	
14 - 20 Feb	On site installation							
	21	22	23	24	25	26	27	
21 - 27 Feb	On site installation							
	28	1 Mar	2	3	4	5	6	
28 Feb - 6 Mar								