

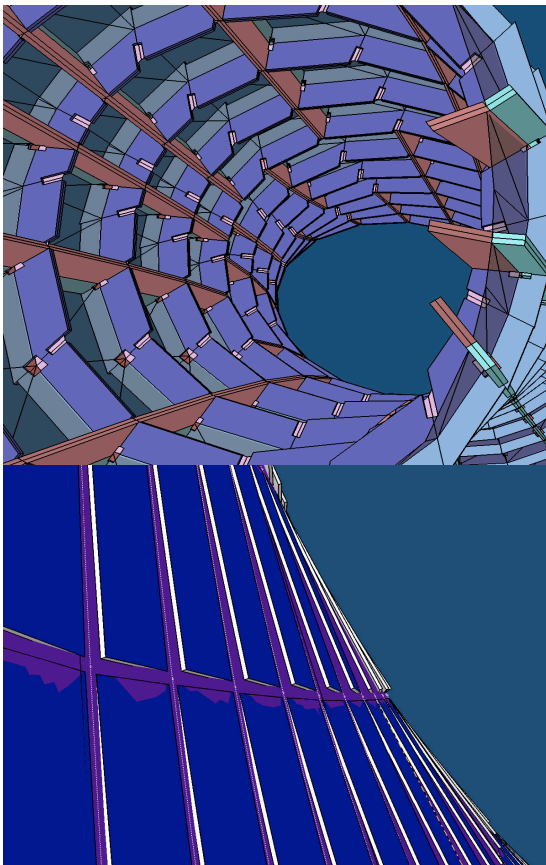
March 9th to 20th , 2010

Beyond Panelized Surfaces

Environmental Parametric Reacting Cells

workshop - 15 hours - 1 unit

Roberto Davolio, Instructor - roberto@formandstructure.com.hk
Ilaria Mazzoleni, Instructor - imazzoleni@hotmail.com



This workshop addresses issues related to the rationalization of complex building envelope geometries in relationship to environmental parameters.

Students will be asked to manipulate an existing 3D parametric model focusing on optimizing the cladding Form, Pattern and Texture.

The software of choice is Digital Project which will provide unparalleled power on the control of Cellular Systems.

Course Schedule - Outline

Tuesday March 9th 9AM-12PM

Introductory Lecture: Current complex envelope design methodologies.

Students project intro and tasks description

Thursday March 11th 5PM-8PM

Surfaces and their geometrical set-out principals.
Building the "TREE": a methodological approach to parametric 3D design.

Sat March 13th 10AM-1PM

Cellular Approach using PowerCopy principles: advanced instantiation techniques

Tuesday March 16th 9AM-12PM

Solar and environmental studies: cells geometry manipulation and heat gain/loss optimization

Thursday March 18th 5PM-8PM

Final Review

Saturday March 20th 10AM-1PM

Final project pin-up

Open to all levels

Minimal requirements: basic knowledge of Digital Project

Logistic and Grading

Attendance is mandatory to all lectures and presentations, as per school policy.

The grade will be based on the following percentages:

1 project: **90%**

attendance and participation to class discussions and presentations: **10%**

Late project presentations and material submittal will not be accepted and will not be graded.

Final presentation March 20: poster (format TBD)

Presentation in PDF format posted on server by Saturday March 20 11am