

Information Architecture and Future Cities



Mondays 12:45 – 13:30

051-0724-12L | 1 ECTS

Lecture I, HIT F22 Simulating Urban Design Futures

The elective course introduces the new area of Information Architecture. The underlying example is the Future Cities Laboratory in Singapore with its three scales small, medium, and large. Inspired by numerous built and virtual examples, the course discusses the consequences when information space and physical architecture merge. The first part of the lecture describes origins, state-of-the-art, and application in architecture. The second part focuses on simulation, a method and technology that rapidly gains importance in the design of buildings and cities. In the third part guest lecturers will demonstrate the development and application of Information Architecture in practice.

The course is coordinated with "New Methods in Urban Simulation".

Supervision:

Prof. Dr. Gerhard Schmitt schmitt@arch.ethz.ch
Anastasia Koltsova koltsova@arch.ethz.ch
Dongyoun Shin shin@arch.ethz.ch

20-02-2012	Information Architecture: Overview
27-02-2012	Information Architecture: Origins and Scope
05-03-2012	Data Mining and Crowd Sourcing
12-03-2012	Theory, Experiment, and Simulation
19-03-2012	Seminarweek (No lecture)
26-03-2012	Design, Modeling and Simulation
02-04-2012	Modeling in Science (Dr. Sofia Georgakopoulou, ETHZ)
09-04-2012	Easter Monday (No lecture)
16-04-2012	Sechseläuten (No lecture)
23-04-2012	Analysis, Prediction, and Simulation (Dr. Reinhard Koenig, Bauhaus University Weimar)
30-04-2012	City Information Models
07-05-2012	Future Cities Laboratory Simulation Platform
14-05-2012	New Tools in Architectural and Urban Simulation (Jan Halatsch, ETHZ)
21-05-2012	Presentation Student Work

Members Max. number of students 25