



Information Architecture and Future Cities

Mondays 12:45 – 13:30

051-0723-11L | 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

26-09-2011	Information Architecture: Overview, Course Goals and Concept
03-10-2011	Modeling of Urban Systems (Guest Professor Daniel Aliaga)
10-10-2011	Information Architecture: Definitions and Examples (Dr. Stefan Müller-Arisona)
17-10-2011	Information Components of Future Architecture
24-10-2011	Seminarweek (No lecture)
31-10-2011	Theory, Experiment, and Simulation
07-11-2011	Excursion to the Biblioteca Werner Oechslin, Einsiedeln
14-11-2011	Design, Modeling, and Simulation
21-11-2011	Stocks and Flows: People, Water, Material, Energy, Space, Economics, Information
28-11-2011	Future Cities Laboratory Simulation Platform
05-12-2011	New Tools in Architectural and Urban Simulation (Jan Halatsch)
12-12-2011	Presentation Student Work

Members Max. number of students 25