

Information Architecture and Future Cities

Mondays 11:00 – 12:00

051-0723-13V | 2 ECTS

Lecture I, HIT F22 (Value Lab) Information Architecture of Cities

The elective course "Information Architecture of Cities" opens a holistic view on existing and new cities, with focus on Asia. The goal is to better understand the city by going beyond the physical appearance and by focusing on different representations, properties and impact factors of the urban system. On the one hand, we explore the city as the most complex human-made organism with a metabolism that can be modelled in terms of stocks and flows. On the other hand, we investigate data-driven approaches for the development of the future city, based on crowd sourcing. In the course "Information Architecture of Cities" you will learn to see the consequences when information space and physical architecture merge. The first part of the course describes origins, state-of-the-art, and applications of information architecture and simulation. Both rapidly gain importance in the design of buildings, cities and territories. In the second part, we will interactively apply the findings to case studies in Europe and Asia. As course requirement, there will be three short exercises.

Supervision:

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23-09-2013	Einführung und Überblick. Introduction and Overview
30-09-2013	Das System Gebäude – Konstruktion. Building as a System - Construction - Room: HIT H12
07-10-2013	Das System Gebäude – Energie. Building as a System - Energy (Guest lecture by Marcel Brülisauer)
14-10-2013	Das System Gebäude - Habitat. Building as a System - Habitat
21-10-2013	Seminarweek (No lecture)
28-10-2013	Das System Stadt - Materialflüsse. City as a System - Material Flows
04-11-2013	Das System Stadt - Entwurf. City as a System - Design
11-11-2013	Das System Stadt - Soziologie. City as a System - Social Science
18-11-2013	Das System Territorium - Organisation. Territory as a System - Organization
25-11-2013	Das System Territorium - Mobilität. Territory as a System - Mobility
02-12-2013	Das System Territorium – Landschaft und Wasser. Territory as a System - Landscape and Water

Members Max. number of students 25