

Information Architecture



Mondays 11:00 – 12:00
051-0723-14V | 2 ECTS

Information Architecture and Future Cities

Understanding a city is fundamental for the meaningful design and management of a city. “Information Architecture and Future 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. We explore the city as the most complex human-made organism with a metabolism that can be modelled in terms of stocks and flows. We investigate data-driven approaches for the development of the future city, based on crowd sourcing and sensing. You will learn to see the consequences of citizen science and the merging of Architecture and information space. 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. As course requirement, there will be three short exercises.

Where

HIT F 22 (Value Lab)

Supervision

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22.09.2014	Einführung und Überblick. Introduction and Overview
29.09.2014	Das System Gebäude – Klima. Building as a System - Climate (Guest Lecture by Estefania Tapias)
06.10.2014	Das System Gebäude - Konstruktion. Building as a System - Habitat (Guest Lecture by Prof. Dirk Hebel)
13.10.2014	Das System Gebäude – Energie & Habitat. Building as a System - Energy & Habitat
20.10.2014	Seminar week (No lecture)
27.10.2014	Das System Stadt - Soziologie. City as a System - Social Science (Guest Lecture)
03.11.2014	Stocks & Flows - Wasser & Material. Stocks & Flows - Water & Material
10.11.2014	Das System Stadt - Entwurf. City as a System - Design
17.11.2014	Stocks & Flows - Menschen & Informationen. Stocks & Flows - People & Information (Guest Lecture by Matthias Standfest)
24.11.2014	Das System Territorium - Mobilität. Territory as a System - Mobility
01.12.2014	Das System Territorium - Organisation. Territory as a System - Organization (Guest lecture by Prof. Dirk Hebel)
01.12.2014	Final iA critique Combined critique with the other iA courses (14:00 - 18:00)