

Information Architecture



Mondays 11:00 – 12:00
051-0723-13V | 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.

Participants

Max. number of students 25

Where:

HIT F 22 (Value Lab)

Supervision

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- 17.02.2014 Einführung und Überblick. Introduction and Overview
- 24.02.2014 Das System Gebäude – Konstruktion. Building as a System - Construction - Room: HIT H12
- 03.03.2014 Das System Gebäude - Habitat. Building as a System - Habitat
- 10.03.2014 Das System Gebäude – Energie. Building as a System - Energy (Guest lecture by Marcel Brülisauer)
- 17.03.2014 Seminar week (No lecture)
- 24.03.2014 Stocks & Flows - Menschen & Informationen. Stocks & Flows - People & Information
- 31.03.2014 Stocks & Flows - Wasser & Material. Stocks & Flows - Water & Material
- 07.04.2014 Das System Stadt - Entwurf. City as a System - Design
- 14.04.2014 Das System Stadt - Soziologie. City as a System - Social Science
- 28.04.2014 Das System Territorium - Mobilität. Territory as a System - Mobility
- 05.05.2014 Das System Territorium - Organisation. Territory as a System - Organization (Guest lecture by Prof. Dirk Hebel)
- 12.05.2014 Das System Territorium – Landschaft und Wasser. Territory as a System - Landscape and Water
- 16.05.2014 Final iA critique
Combined critique with the other iA courses (3:00 - 5:00 pm)