Chair for Information Architecture | HS2008

Elective Course Information Architecture

Introduction to Information Architecture

Prof Dr Gerhard Schmitt September 22, 2009



Elective Course Information Architecture

Chair for Information Architecture

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Elective Course Information Architecture

Lecture | 13 - 14 p.m. | HIT H42 Participation 80% = 1 ECTS

Information Architecture
Prof Dr Gerhard Schmitt
051-0723-08

Elective Course Information Architecture

Exercise | 14 - 17 p.m.* | HIT H42 Participation 80% + accepted Project = 3 ECTS

The sensitive Tapestry | Workshop Christian Schneider, Sandra Wipfli Lukas Treyer 051-0725-08

^{*}no additional Homework

Elective Course Information Architecture

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L1 22/09
            Introduction Information Architecture
L2 29/09
           The Architecture of Information
L3 06/10
           Thinking with your Eyes
            Info Aesthetics (Workshop Processing)
L4 13/10
            Seminar week
            Tangible Bits (Visiting the ValueLab)
L5 27/10
L6 03/11
            Tabletop Interaction (Guest)
L7 10/11
            Responsive Environments
L8 17/11
            The digital Ornament (Guest)
L9 24/11
            Interactive Architecture (Guest)
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Overview

- Information Architecture
- INFORMATION Architecture
- Information ARCHITECTURE
- INFORMATION ARCHITECTURE

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Information Architecture

INFORMATION Architecture
Metaphors and principles of physical architecture
applied to digital data and information creates
an architecture of information, using information
as raw material

Information ARCHITECTURE

Making the invisible visible in the form of digital information applied to physical architecture to better understand and design physical architecture

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INFORMATION Architecture

Architecture
Requires thoughtful analysis to manifest thoughtful synthesis (design).

The Architecture of Information Construction of a structure or the organization of information.

INFORMATION Architecture

The Architecture of Information

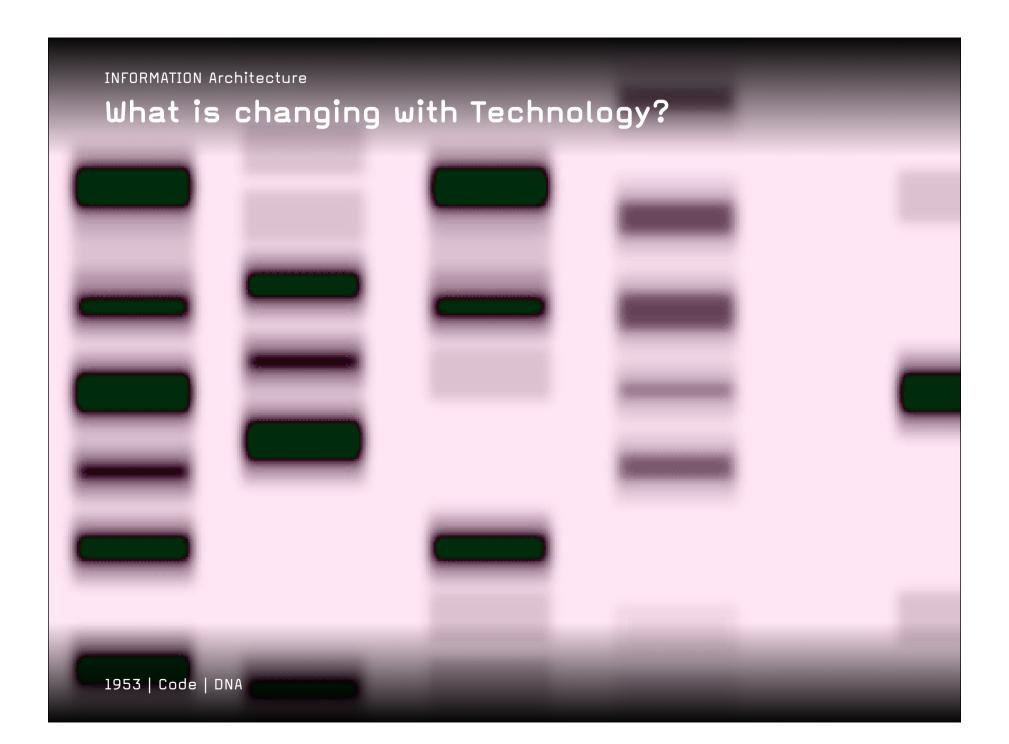
,INFORMATION Architecture' expands the definition of architecture to areas outside the traditional realm.

INFORMATION Architecture

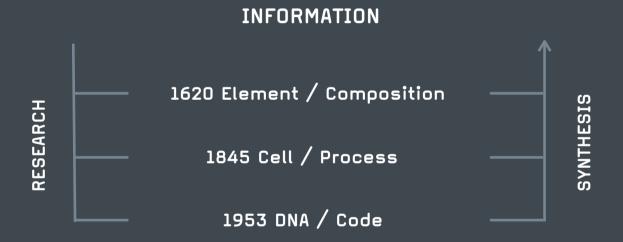
Using architectural metaphors for better structuring, understanding and communicating information







What is changing with Technology?

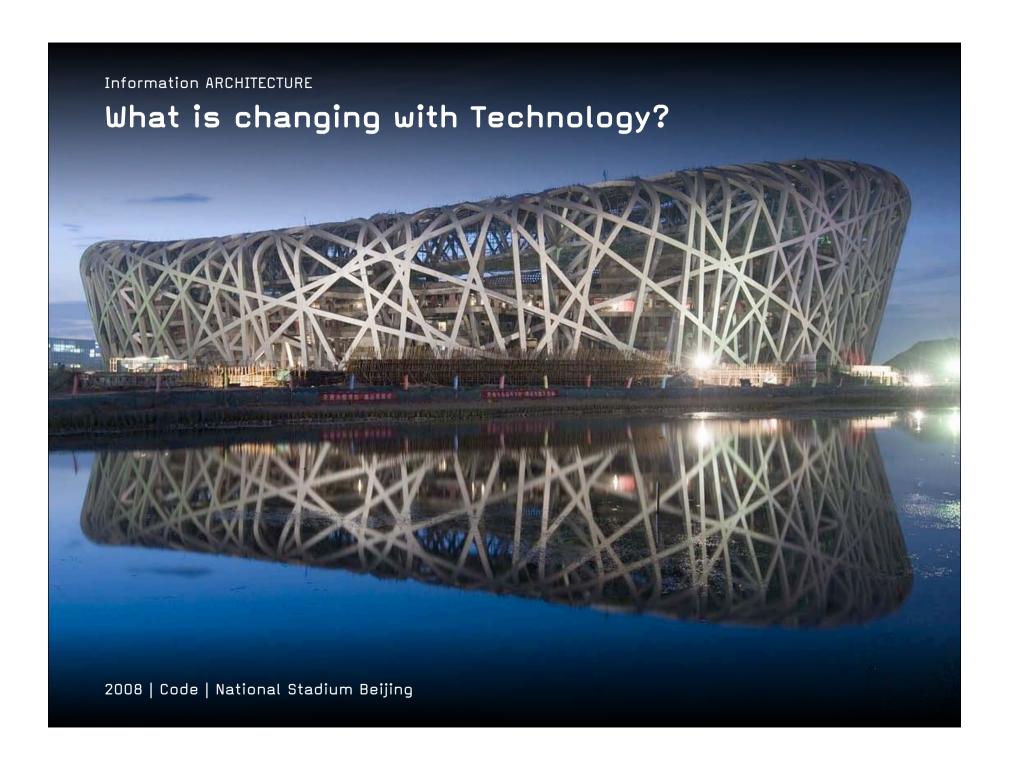


Overview

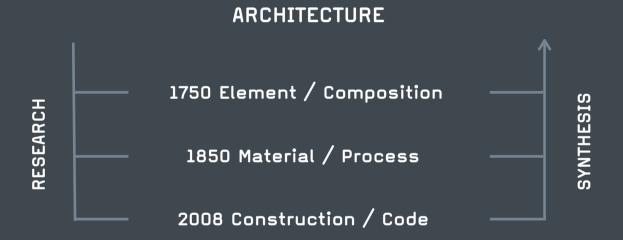
- Information Architecture
- INFORMATION Architecture
- Information ARCHITECTURE
- INFORMATION ARCHITECTURE







What is changing with Technology?



Information ARCHITECTURE

,Information ARCHITECTURE' uses simulation for more than creating images or artefacts based on geometric constraints, rules, or cases.

Rather, non-geometric factors such as light, energy, structure, behaviour or systems knowledge become available for integrated direct modelling.

Formalise and generalise design principles

Overview

- Information Architecture
- INFORMATION Architecture
- Information ARCHITECTURE
- INFORMATION ARCHITECTURE

INFORMATION ARCHITECTURE

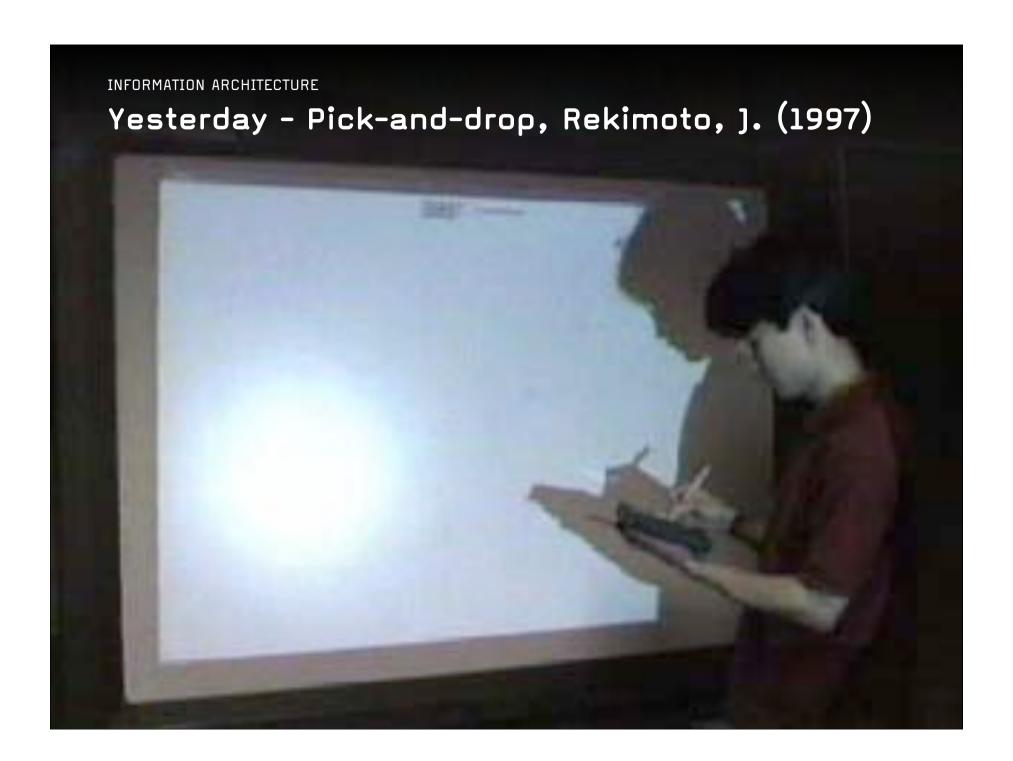
Physical versus Digital

PHYSICAL

- direct manipulation
- persistent
- collaborative
- affordability

DIGITAL

- symbolic representation
- extremely flexible
- quick to disseminate
- cheap reproducibility





What is changing with Technology

CHALLENGE: BITS + PHYSICAL

How to combine the best properties of both worlds?



From Data to Information to Knowledge

Data is unprocessed facts and figures without any added interpretation or analysis

Information is data that has been interpreted so that it has meaning for the user

Knowledge is a combination of information, experience and insight that may be of benefit

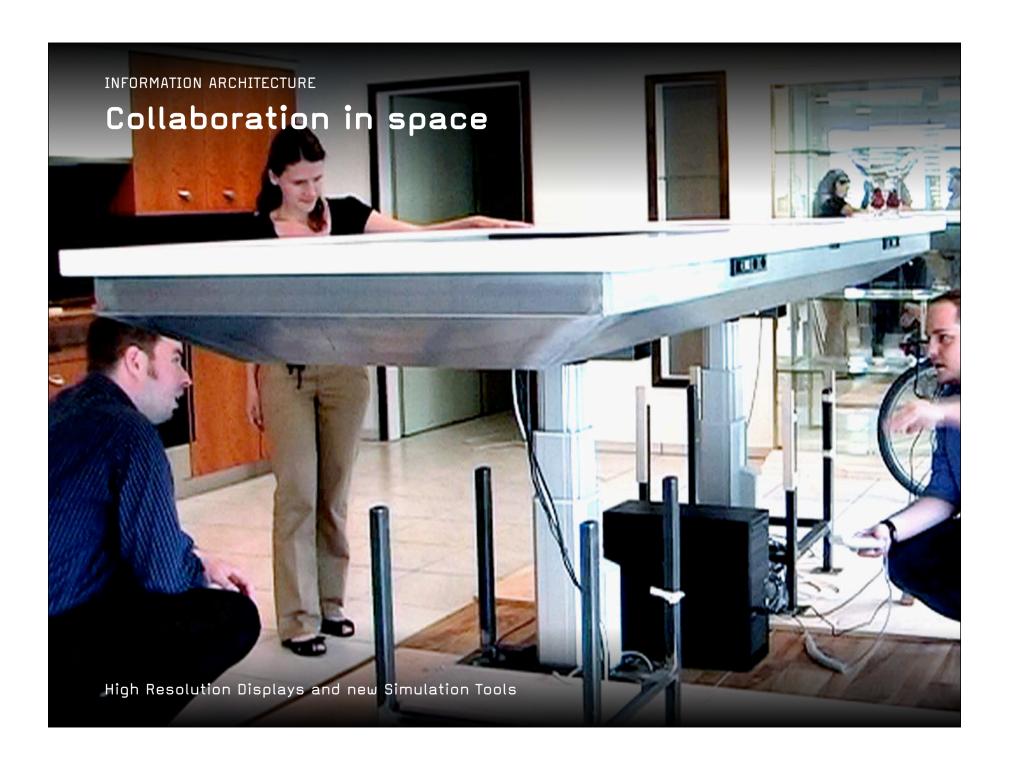
Information Architecture

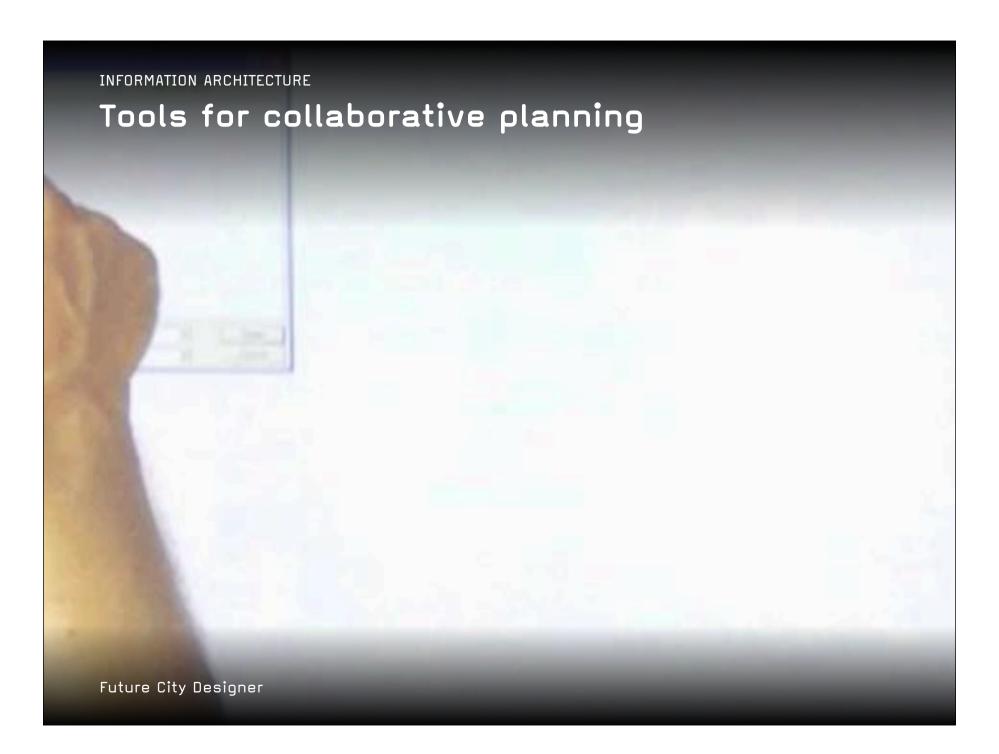
What are our two challenges in Information Architecture?

- Investigate the potential of merging digital information and physical architecture
- Develop tools for supporting analysis, design and planning of urban systems

Summary

How does a way of thinking become a technical reality?







Discussion

Merging digital Information and physical Architecture

Developing Methods and Tools for supporting Analysis, Design and Planning of urban Systems

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Notice: Exercise Information Architecture

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Podcast Information Architecture

http://www.ia.arch.ethz.ch/teaching/teaching-08/



Sources

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15 Mitosis, http://www.youtube.com/watch?v=m73i1Zk8EA0
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