



The sequential Wall © Gramazio & Kohler, ETH Zurich

[af-z.ch/digitaleshandwerk](https://af-z.ch/digitaleshandwerk)

Brauerstrasse 16, 8004 Zürich, Schweiz  
Telefon 043 317 14 00, Fax 043 317 14 02, mail@af-z.ch

**ARCHITEKTURFORUM ZÜRICH**

**ETH**

Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich

Dienstag, Mittwoch, Freitag 12:00 – 18:00 Uhr  
Donnerstag 16:00 – 22:00 Uhr, Samstag 11:00 – 17:00 Uhr

**ARCHITEKTURFORUM ZÜRICH**

**ETH**

Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich



07.10.2010, 14:00 Uhr / Symposium

## **The New Structuralism: Design, Engineering and Architectural Technologies**

Today the convergence of design, engineering and architectural technologies are breeding a new material practice in architecture. This important shift can be defined as a highly dynamic synthesis of emerging principles of spatial, structural and material ordering integrated through the application of material and fabrication technologies.

The symposium will present and discuss the emerging relationships between architectural design, engineering and fabrication in architectural research and practice.

14:00 – 15:30 / Session 1

### **Introduction and Architectural Theory**

- Rivka Oxman and Robert Oxman; IIT: «Introduction to the New Structuralism»
- Nina Rappaport; Yale: «A Deeper Structural Theory»
- Helmut Pottman; TU Wien: «Architectural Geometry as Design Knowledge»
- John Chilton; NTU: «Heinz Isler's Infinite Spectrum: Form-finding in Design»

16:00 – 17:30 / Session 2

### **The New Structuralism: Structuring in Design**

- Fabian Scheurer; DESIGNTOPRODUCTION: «Materialising Complexity»
- Wolf Mangelsdorf; Buro Happold: «Structuring Strategies for Complex Geometries»
- Klaus Bollinger, Manfred Grohmann, Oliver Tessmann; B+G, Frankfurt: «Structured Becoming: Evolutionary Processes in Design Engineering»
- Julio Martinez Calzon, Carlos Castanon; MC2, Madrid: «Weaving Architecture: EMBT Spanish Pavillion for Expo 2010 Shanghai»

18:00 – 19:30 / Session 3

### **Emergent Roles of Design Fabrication**

- Neri Oxman; MIT: «Structuring Materiality»
- Yves Weinand and Markus Hudert; EPFL: «Timberfabric»
- Gramazio & Kohler; ETHZ: «Encoding Material»
- Martin Bechthold; Harvard: «The Return of the Future»

**Location:** Architekturforum Zurich, Brauerstrasse 16, 8004 Zurich

**Language:** English

**Admission:** free

Due to limited space we ask you kindly to register for the symposium on the website:  
[www.af-z.ch/digitaleshandwerk/newstructuralism](http://www.af-z.ch/digitaleshandwerk/newstructuralism)

Mit freundlicher Unterstützung von:  
Steelcase Werndl AG, Rosenheim

**Steelcase®**