



**matthias KOHLER**

ETH Zurich - CAAD  
Gramazio & Kohler Architects

# *Digital Materiality in Architecture*

---

**UTZON (x) Lecture Series / autumn 2012**

15:00 / 17 October / Utzon Center / Obel Auditorium

The thrust of digital advancement in design and manufacture has changed architecture. A Digital Materiality is emerging, where the interplay between data and material can be seen as a constructive structuring of architecture. This extensive collaboration can be analytically developed and implemented on an architectural scale, leading to new forms of architectural expression and material sensuality. Against this background, the lecture will consider the hegemony of digital fabrication and the avatars of robotic manufacture in architecture. It will address the digital border crossing between the digital and the material and consider various projects and contexts.



ad:mt

---

**ryota KIDOKORO**

ARUP Tokyo

# *Capture and Catapult*

---

**UTZON (x) Lecture Series / autumn 2012**

16:00 / 30 October / Utzon Center / Obel Auditorium

The ability to capture the designer's imagination and to catapult the project to reality through innovations and design enhancements are defining qualities of any distinguished engineer. Such are qualities achieved by complementing engineering expertise with a profound appreciation of architectural design.

This lecture will introduce a selection of works engineered by Ryota Kidokoro, a structural designer from Arup's Tokyo office, to illustrate the creative collaboration of an engineer from conception to completion. A brief overview of Arup, a global firm of designers, engineers, and consultants, will also be included in this lecture.



ad:mt



ding 3000

Hannover

# THOUGHTS ON THINGS

---

UTZON (x) Lecture Series / autumn 2012

Time: To be announced / 23 November / Utzon Center / Obel Auditorium

The design philosophy of DING3000 cannot be described by a dogma or an 'ism'. The designs come about through a situation, product and customer-oriented design process which takes place somewhere in-between method and magic. The way to the product lies in the search for a new, better, different, unjustly forgotten, humorous idea. The resulting formal and functional perfection is largely due to this idea. The work of DING3000 is evidence of the pleasure they take in challenging materials, products and not least people's behavior. Often they question available solutions and popular assumptions and proceed in a way that is contradictory to them. As a result, DING3000 continually discovers creative "virgin soil" off the beaten track.



ad:mt

**dick van GAMEREN**

Dick van Gameren Architects  
TU Delft  
Berlage Institute

# *Standards and Ideals*

*Models for urban housing*

---

**UTZON (x) Lecture Series / autumn 2012**

*13:00 / 3 December / Utzon Center / Obel Auditorium*

The concepts 'standard' and 'ideal' are inextricably associated in housing design. In the last 100 years, efforts to create standardized and optimized affordable dwellings produced an endlessly varied series of designs for the ideal home, some built, some not. The recent economic and demographic changes have given renewed relevance to the call to reformulate housing ideals. Starting from a historic perspective and showing recent examples from his own work, Dick van Gameren will discuss new ideas and solutions for housing in urban contexts.

Dick van Gameren is professor of Architecture and Dwelling since 2006. Currently, he is also chair of the Architecture Department at TU Delft and part of the group integrating Berlage at TU Delft.



**ad:mt**

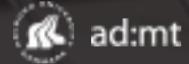
**matthias KOHLER**

ETH Zurich - CAAD  
Gramazio & Kohler Architects

## Digital Materiality in Architecture

UTZON (x) Lecture Series / autumn 2012  
15:00 / 17 October / Utzon Center / Obel Auditorium

The thrust of digital advancement in design and manufacture has changed architecture. A Digital Materiality is emerging, where the interplay between data and material can be seen as a constructive structuring of architecture. This extensive collaboration can be analytically developed and implemented on an architectural scale, leading to new forms of architectural expression and material sensuality. Against this background, the lecture will consider the hegemony of digital fabrication and the avatars of robotic manufacture in architecture. It will address the digital border crossing between the digital and the material and consider various projects and contexts.



**ryota KIDOKORO**

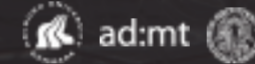
ARUP Tokyo

## Capture and Catapult

UTZON (x) Lecture Series / autumn 2012  
16:00 / 30 October / Utzon Center / Obel Auditorium

The ability to capture the designer's imagination and to catapult the project to reality through innovations and design enhancements are defining qualities of any distinguished engineer. Such are qualities achieved by complementing engineering expertise with a profound appreciation of architectural design.

This lecture will introduce a selection of works engineered by Ryota Kidokoro, a structural designer from Arup's Tokyo office, to illustrate the creative collaboration of an engineer from conception to completion. A brief overview of Arup, a global firm of designers, engineers, and consultants, will also be included in this lecture.



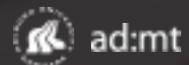
**ding 3000**

Hannover

## THOUGHTS ON THINGS

UTZON (x) Lecture Series / autumn 2012  
Time: To be announced / 23 November / Utzon Center / Obel Auditorium

The design philosophy of DING3000 cannot be described by a dogma or an 'ism'. The designs come about through a situation, product and customer-oriented design process which takes place somewhere in-between method and magic. The way to the product lies in the search for a new, better, different, unjustly forgotten, humorous idea. The resulting formal and functional perfection is largely due to this idea. The work of DING3000 is evidence of the pleasure they take in challenging materials, products and not least people's behavior. Often they question available solutions and popular assumptions and proceed in a way that is contradictory to them. As a result, DING3000 continually discovers creative "virgin soil" off the beaten



**dick van GAMEREN**

Dick van Gameren Architects  
TU Delft  
Berlage Institute

## Standards and Ideals

*Models for urban housing*

UTZON (x) Lecture Series / autumn 2012  
13:00 / 3 December / Utzon Center / Obel Auditorium

The concepts 'standard' and 'ideal' are inextricably associated in housing design. In the last 100 years, efforts to create standardized and optimized affordable dwellings produced an endlessly varied series of designs for the ideal home, some built, some not. The recent economic and demographic changes have given renewed relevance to the call to reformulate housing ideals. Starting from a historic perspective and showing recent examples from his own work, Dick van Gameren will discuss new ideas and solutions for housing in urban contexts.

Dick van Gameren is professor of Architecture and Dwelling since 2006. Currently, he is also chair of the Architecture Department at TU Delft and part of the group integrating Berlage at TU Delft.

