

ISU TALKS #05

Future Cities 14 Nov. 2017

Urbanism in a digitalizing world

10:00

GREETINGS & INTRODUCTION

Institute for Sustainable Urbanism, TU Braunschweig

10:30

POSTER SESSION: FUTURE CITIES

12:30

LUNCH BREAK

+ Exhibition

13:30

SYMPOSIUM: URBANISM IN A DIGITALIZING WORLD

DIGITAL PROCESSES + URBAN FUTURES

Caroline Bos

UNStudio | University of Melbourne | The Netherlands



IF FORM FOLLOWS BEHAVIOR

Pablo Martínez and Mar Santamaria Varas

300.000 Km/s | IAAC | Spain



EXPLORING PARAMETRIC URBAN DESIGN

Sven Schneider

Bauhaus-Universität Weimar | DecodingSpaces | Germany



Moderation: Ilka Ruby

Ruby Press | Germany



18:30

ARCHITEKTURPOSITIONEN

Caroline Bos

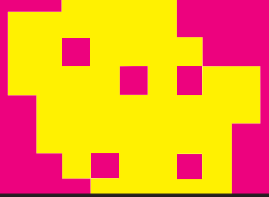
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CAROLINE BOS studied History of Art at Birkbeck College of the University of London and Urban and Regional Planning at the Faculty of Geosciences, University of Utrecht. In 1988 she co-founded Van Berkel & Bos Architectuurbureau with the architect Ben van Berkel, extending her theoretical and writing projects to the practice of architecture. In 1998 Caroline Bos co-founded UNStudio (United Net). UNStudio presents itself as a network of specialists in architecture, urban development and infrastructure. Realized projects include the Erasmus Bridge in Rotterdam, the Mercedes-Benz Museum in Stuttgart and Arnhem Central Station in the Netherlands. Caroline Bos has taught as a guest lecturer at Princeton University, the Berlage Institute in Rotterdam, the Academy of Fine Arts in Vienna and the Academy of Architecture in Arnhem. In 2012 she was awarded an Honorary Professorship at the University of Melbourne's Faculty of Architecture, Building and Planning.

SVEN SCHNEIDER PROF. DR. is lecturer and researcher in the field of architectural planning support systems. He is interim professor for the chair of computer science in architecture at the Bauhaus-University Weimar and founding partner of DecodingSpaces GbR. He studied applied computer science at TU-Chemnitz and graduated in architecture at the TU-Dresden and BU-Weimar. He completed his PhD in 2016 on the topic of automated spatial layout design from a user-perspective. His main research interests lie in the development of measures for evaluating the built environment and generative methods for supporting the design process. He was and is engaged and coordinating several state-funded research projects and has published a number of articles on generative methods for spatial layout design and spatial analysis.

PABLO MARTÍNEZ AND MAR SANTAMARIA VARAS are co-founders of 300.000 Km/s, a professional firm of urban planners, architects and engineers that provides design, data analysis and consulting services for cities. **We innovate.** We apply technology to architecture, city and territory. We look for new ways of transforming the environment. We work in the fields of urban analysis, cartography, urban planning, development of digital tools and digital humanities. Our knowledge comes from architecture, urbanism, analysis of geographic data, urban history, restoration, museology, product design, project management and software development. **We work with data.** Data is crucial in our activity as urban designers. Data on almost every city – from demographics and employment to transport and health – has become much more accessible. This access, as well as the ability to use and share the data, will bring huge potential for understanding urban problems. **We influence.** We provide data analytics services and data products to help urban stakeholders make better data-driven decisions.

ILKA RUBY, is a Berlin-based publisher and curator on issues surrounding architecture and urbanism. She studied architecture at RWTH Aachen and TU Vienna. Together with her partner Andreas Ruby, she founded *textbild*, an office for architectural communication, and Ruby Press, a publishing house with a focus on architecture, art, and other cultural practices engaged in the production of space. Through Ruby Press, the two have produced award winning books such as *Reasons for Walling a House* (2012), *Building Brazil!* (2011), *City of God—Cidade de Deus!* (2013), *Architecture Reading Aid Ahmedabad* (2015), and *Housing Cairo* (2016). In addition to their intense publishing activities, they realised a number of curatorial projects, such as the video installation *Endless Bauhaus*, part of the *Modell Bauhaus* exhibition at the Martin Gropius Bau in Berlin (2009); the exhibition *Druot, Lacaton & Vassal—Tour Bois le Prêtre* for the German Architecture Museum in Frankfurt (2012); *Treasures in Disguise*, the Pavilion representing Montenegro at the 14th Architecture Biennale in Venice (2014); *Never Demolish* for the Copenhagen Architecture Festival (2017); and *Together! The New Architecture of the Collective* (2017) at the Vitra Design Museum. Additionally, they have organized several international symposia on architecture and design, including the "Min to Max" symposium on affordable housing (2011). Ilka Ruby has taught at Cornell University, Berlin University of the Arts, and the Peter Behrens School of Architecture in Düsseldorf.