

**SYMPOSIUM**

# **The Changing Shape of Practice**

## **Integrating Research and Design in Architectural Practice**

**Friday 20 September 2013, 09.00–17.00,  
Auditorium RunAn, Chalmers, Göteborg, Sweden.**

**With presentations by Kieran Timberlake (US), Foster & Partners (UK),  
3xN (DK), Helen & Hard (NO), White (SE).**

## **Symposium Topics**

Architectural practices world-wide have to deal with increasingly complex design requirements. How do practices acquire the ability to do so? This one-day symposium will focus on the increasing integration of research undertaken in architectural practices of different sizes all over the world.

What kinds and forms of knowledge are needed and produced in different types of practices? How are results, new knowledge and competences documented, shared and disseminated internally as well as externally? New strategies are today developed in relation to sustainability as well as inter- and transdisciplinary research efforts, and other competences are needed in architectural practice. Is research itself now used as a strategic tool by architectural offices? What does this mean for education and research training? How is architectural research shaped by practice, and how is in turn architectural practice changed?

The symposium will address the questions above by showing and discussing some

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examples of research taking place in architectural practice, how it is organized and facilitated within the structure of the practices, and how it is related to their specific scope of work.

The symposium is arranged by the research environment 'Architecture in the Making' in collaboration with Chalmers Architecture, RCAT - Research Centre of Architecture and Tectonics, AHO – the Oslo School of Architecture and Design, OCEAN Design Research Association, and the Swedish Association of Architects.

More information and updated programme will be available at [www.architectureinthemaking.se](http://www.architectureinthemaking.se)



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# The Changing Shape of Practice

– Integrating Research and Design in Architectural Practice

## Programme

**Friday 20 September**

**Venue: Auditorium RunAn, Chalmers, Göteborg**

Chairs: Michael Hensel and Fredrik Nilsson.

**09.00 Coffee**

**09.30 Introduction**

**09.50 White**

Fredrik Nilsson, Head of Research and Development, and  
Marja Lundgren, Research Coordinator, White.

**10.40 3xN**

Kasper Guldager Jørgensen, Director of the innovation unit GxN, 3xN.

**11.30 Lunch**

**13.00 KieranTimberlake**

Billie Faircloth, Research Director, KieranTimberlake.

**13.50 Helen & Hard**

Reinhard Kropf, Founding Partner, Helen & Hard.

**14.40 Coffee**

**15.00 Foster & Partners**

Francis Aish, Head of Applied Research & Development, Foster & Partners.

**15.50 Swedish Association of Architects**

Pehr-Mikael Sällström & Annika von Scheele, Swedish Association of Architects

**16.10 Panel discussion**

**17.00 End**

## Speakers

**Kasper Guldager Jørgensen, Partner and director of GxN**

Kasper Guldager Jørgensen is partner and director of GxN, the innovation unit of 3xN. GxN was

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founded in 2007 with the intention to use, integrate and create new knowledge and technologies in design and architecture. Kasper Guldager Jørgensen is engaged in research and development within sustainable design, digital processes and new materials, where he has found great potentials for innovation and he is involved in contributing to the integration of new materials and green technologies in future architecture.

**Billie Faircloth, Research Director, KieranTimberlake**

Billie Faircloth is the director of the KieranTimberlake Research Group (KTRG), a trans-disciplinary group of professionals leveraging research, design, and problem solving processes from fields such as environmental management, urban ecology, green infrastructure, architectural design, building construction, chemical physics, electrical engineering, and materials science. Billie Faircloth currently lectures at the University of Pennsylvania School of Design, and she has been an assistant professor at the University of Texas at Austin School of Architecture where she instructed design research studios.

**Reinhard Kropf, Founding Partner, Helen & Hard**

Reinhard Kropf is an Austrian architect and researcher. He studied at the University of Science in Graz and at AHO in Oslo, where he studied under Sverre Fehn. In 1996, Reinhard Kropf and Siv Helene Stangeland founded the architectural office Helen & Hard in Stavanger. Helen & Hard have written, published, and lectured extensively about their research on sustainable practices and methods. Reinhard Kropf has taught at AHO, The Bartlett School of Architecture in London, École Spéciale d'Architecture in Paris, Kansas State University, and University HUST in Wohan, China.

**Francis Aish, Head of Applied Research and Development, Foster + Partners**

Francis Aish is head of the Applied Research and Development team. He joined Foster + Partners in 1999 and became a partner in 2008. His work embraces the research and development of systems to model and solve complex, multi-disciplinary design problems and he has been involved in over 100 projects. He also conducts collaborative research with leading universities and companies and has published academic papers on design and simulation systems, as well as lecturing widely on the subject in Europe and North America.

**Fredrik Nilsson, Partner, Head of Research and Development, White arkitekter  
Marja Lundgren, Partner, Research Coordinator, White arkitekter**

Fredrik Nilsson is Professor of Architectural Theory at Chalmers University of Technology, and partner and Head of Research and Development at White Arkitekter. He is director of the national research environment in architectural theories and methods "Architecture in the Making", and recent research has involved the epistemology of architecture and the integration of research and design.

Marja Lundgren is a Swedish architect, partner and Research Coordinator at White Arkitekter. She has long experience as environmental advisor and design of sustainable buildings as well as on R&D-projects on different issues of sustainability in architecture. She is also currently pursuing doctoral research in an industrial PhD project at KTH in Stockholm.

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