


rca  **2018**

research culture in architecture  **international
conference on cross-disciplinary collaboration**

27–28 September 2018

RCA 2018 The International Conference aims to discuss topics and methods in architectural research, focusing on their cross-disciplinary interrelations and their relevance to the design process itself.

Architecture refers to many participating disciplines such as construction, materials sciences, building physics, sociology, fabrication technology, computer science, geometry, arts, architectural history and theory. It is significant, that these disciplines are interlinked in planning, design and realization processes of architecture. Compared to other sciences this is certainly one of the reasons why the development of a research culture in architecture is more difficult. The International Conference will identify research topics and methods, encourages a research discourse and provides impulses especially for young researchers. The cross-disciplinary interrelations will be debated through invited keynote lectures, as well as presentations of papers and posters, which have been accepted by our scientific committee. The invited experts from academia and practice will showcase pioneering projects and developments from various fields of architectural research. Additionally, the special situation of a research culture in architecture as well as research topics and methods will be discussed at round tables.



Thursday, 27 September

09:00 Registration & Coffee

10:00 Welcome

**Arnd Poetzsch-Heffter, Vice President for
Research, Technology and Innovation, TUK
Johannes Modersohn, Dean of Faculty, fatuk**

10:15 Keynote Lecture

**Michael Hensel, TU Wien:
Researching Research Cultures in Architecture
Chair: Stephan Birk, fatuk**

11:00 Coffee Break

11:30 Parallel Paper Sessions

A1 Practice and Research

Chair: Marco Zünd, fatuk

B1 Structures and Sustainability

Chair: Angèle Tersluisen, fatuk

C1 Architectural Space and Perception

Chair: Cornelia Leopold, fatuk

13:00 Lunch

14:00 Keynote Lecture

Margitta Buchert, LUH Hannover:

In-Between Realms

Chair: Heike Kern, fatuk

14:45 Keynote Lecture

Christian Derix,

Woods Bagot SuperSpace, Sydney:

The Spatial Turn in Design Computing

Chair: Helmut Kleine-Kraneburg, fatuk

15:30 Coffee Break

- 16:00 Parallel Paper Sessions**
A2 Design Methods: New Approaches
Chair: Christina Jagsch, fatuk
B2 Material and Construction
Chair: Moritz Kaiser, fatuk
C2 Architectural Space and Human Body
Chair: Judith Leinen, fatuk
- 17:30 Coffee Break**
- 18:00 Discussion 1:**
– **Research Culture in Architecture**
- 19:00 Michael Hensel, TU Wien**
Margitta Buchert, Leibniz Universität Hannover
Christian Derix, Woods Bagot
SuperSpace, Sydney
Maria da Piedade Ferreira, fatuk
Peter Spitzley, fatuk
Ulrike Weber, fatuk
Moderator: Georg Vrachliotis, KIT Karlsruhe
- 20:00 Dinner**

Friday, 28 September

- 09:00 Parallel Paper Sessions**
A3 Architecture and Visualization
Chair: Franziska Wilcken, fatuk
B3 Digital Timber Construction
Chair: Christopher Robeller, fatuk
C3 Architectural Education
Chair: Oda Pälme, fatuk
- 10:30 Coffee Break**

- 11:00 Keynote Lecture**
Eike Roswag-Klinge, TU Berlin:
Designing Natural Buildings
Chair: Stephan Birk, fatuk
- 11:45 Keynote Lecture**
Caitlin Mueller, MIT Cambridge:
Digital Tools and Structural Design
Chair: Johannes Modersohn, fatuk
- 12:30 Poster Session**
- 13:00 Lunch**
- 14:00 Keynote Lecture**
Sigrid Brell-Cokcan, RWTH Aachen:
Individualizing Production with DIANA - a
Dynamic and Interactive Robotic Assistant
for Novel Applications
Chair: Christopher Robeller, fatuk
- 14:45 Parallel Paper Sessions**
A4 Mathematical and Structural
Design Approaches
Chair: Cornelia Leopold, fatuk
B4 Robotics in Timber Construction
Chair: Christopher Robeller, fatuk
C4 Sustainability and Climate Approaches
Chair: Andreas Winkels, TH Bingen
- 16:00 Coffee Break**
- 16:30 Discussion 2:**
– **Research Culture in Architecture**
- 18:00** Eike Roswag-Klinge, TU Berlin
Caitlin Mueller, MIT Cambridge
Sigrid Brell-Cokcan, RWTH Aachen
Cornelia Leopold, fatuk
Christopher Robeller, fatuk
Peter Spitzley, fatuk
Moderator: Georg Vrachliotis, KIT Karlsruhe

Die Konferenz wird von der Architektenkammer Rheinland-Pfalz mit 10 Unterrichtsstunden als Fortbildungsveranstaltung für Absolventen in der Praxis (AIP) anerkannt; Mitglieder der Architekten- und Stadtplanerkammer Hessen können für die Teilnahme Fortbildungspunkte erhalten.

Contact

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Fees

Participants 180 €

Full time students 90 €

The Conference Fee should be paid via bank transfer to: TU Kaiserslautern, Deutsche Bundesbank Filiale Mainz, IBAN: DE25 5500 0000 0055 0015 11, BIC: MARKDEF 1550, Reason for payment: Registration rca2018 conference, KST 9015.512, your name. Registration Deadline: 17 September 2018

If you register as a student, it is required that you show a proof of enrollment at the registration desk.



Bauforum
Rheinland-Pfalz



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Fachbereich Architektur
Technische Universität
Kaiserslautern



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