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.

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.
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  Keynote Lecture
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

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

11:45  Keynote Lecture
Eike Roswag-Klinge, TU Berlin:
Designing Natural Buildings
Chair: Stephan Birk, 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

14:00  Keynote Lecture
Eike Roswag-Klinge, TU Berlin:
Designing Natural Buildings
Chair: Stephan Birk, fatuk

14:45  Parallel Paper Sessions
A4 Mathematical and Structural Design Approaches
Chair: Cornelie Leopold, fatuk
B4 Robotics in Timber Construction
Chair: Christopher Robeller, fatuk
C4 Sustainability and Climate Approaches
Chair: Andreas Winkels, TH Bingen

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

16:00  Parallel Paper Sessions
A2 Design Methods: New Approaches
Chair: Christina Jagsch, fatuk
B2 Material and Construction
Chair: Moritz Kaiser, fatuk
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17:30  Coffee Break

18:00  Discussion 1:
Research Culture in Architecture

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Ulrike Weber, fatuk
Moderator: Georg Vrachliotis, KIT Karlsruhe

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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

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20:00  Dinner

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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 Pälmke, fatuk

10:30  Coffee Break

11:00  Keynote Lecture
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16:00  Coffee Break

16:30  Discussion 2:
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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.