NEXUS 20/21

RELATIONSHIPS BETWEEN ARCHITECTURE AND MATHEMATICS

International *ONLINE* Conference
26–29 July 2021
Kaiserslautern, Germany

The Nexus conferences are dedicated to explorations of the relationships between architecture and mathematics through a broad panorama of topics. Over the years since the Nexus conferences began in 1996, conference participants have presented studies of buildings both large and small, as well as entire cities and neighbourhoods, designed by great architects of the past such as Leon Battista Alberti and Andrea Palladio, and by modern masters such as Xenakis, Le Corbusier, Frei Otto and Frank Lloyd Wright, and contemporary architects such as Anna Bofill and Greg Lynn.
These works are studied from the viewpoint of mathematical notions: symmetry, descriptive and projective geometry, proportion, statics, grammars, computer science, topology, algebra, fractals, and many more.

The 13th international, interdisciplinary conference **Nexus 20/21 – Relationships Between Architecture and Mathematics** will take place from 26–29 July, 2021 in Kaiserslautern, Germany, presented by RCA – Research Culture in Architecture, hosted by fatuk – Faculty of Architecture, Technische Universität Kaiserslautern and Kim Williams Books.
The conference will take place as an **Online Conference** because of the situation with COVID-19.

»Program

Monday, 26 July until Thursday 29 July, 2021: Presentations and Exhibition, live online and in videos

Start: Monday, 26 July – 02:00 pm UTC+2

Sessions on the topics:

Monday, 26 July
- Representation and Mediation
- Space, Perception, and Representation
- Parametric Analysis and Designing

Tuesday, 27 July
- Mathematics of Natural Forms and Structures
- Design Theory and Analysis
- Architectural Education
- Short Presentations/Exhibitions 1

Wednesday, 28 July
- Design Methods
- Design History
- Historical Design Analyses

Thursday, 29 July
- Design and Construction History
- Urbanism
- Short Presentations/Exhibitions 2

»Registration Info

Early Registration

until 31 May 2021

- Participants 230 €
- Members of the Scientific Committee 190 €
- Full time students 115 €

Late Registration

from 01 June 2021 to 15 July 2021

- Participants 290 €
- Members of the Scientific Committee 230 €
- Full time students 145 €

The Conference Fee should be paid via bank transfer **»Payment Info**

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PRESENTED BY
RCA – RESEARCH CULTURE IN ARCHITECTURE

HOSTED BY
FATUK – FACULTY OF ARCHITECTURE, TECHNISCHE UNIVERSITÄT KAISERSLAUTERN AND KIM WILLIAMS BOOKS

Funded by DFG Deutsche Forschungsgemeinschaft German Research Foundation

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