Creating New Architecture through Research

On Materiality

Second International Research & Design Forum in Honor of Werner Sobek

Hosted by the SOM Foundation and the Cluster of Excellence IntCDC at the University of Stuttgart

Date/Time
14 October 2022
08:30–18:30

Venue
City Campus of the University of Stuttgart
Keplerstraße 17, 70174 Stuttgart, Germany

Fees
€25 for student
€80 for professional

Registration
https://www.intcdc.uni-stuttgart.de/stuttgart-week-of-advancing-aec/#id-5f30ee2c
Program Itinerary

8:30  Registration
9:00  Opening Remarks | SOM Foundation & IntCDC
9:30  Sigrid Adriaenssens | Princeton University
10:00 Thomas Auer | TU Munich I Transsolar
10:30  Break
10:50  Martina Bauer | MIT
11:20  Antón García-Abril & Débora Mesa | MIT & Pratt Institute | Ensamble Studio
11:50  Brandon Clifford | MIT | Matter Design
12:20  Lunch
13:30  Paul Past | Fast + Epp
14:00  Mollie Claypool | UCL
14:30  Mariana Popescu | TU Delft
15:00  Break
15:20  Jenny Sabin | Cornell University | Jenny Sabin Studio
15:50  Mark Sarkisian | SOM
16:20  Gustavo Utrabo | Estúdio Gustavo Utrabo
16:50  Honoree Werner Sobek | Remarks
17:00  Final Discussion
17:20  Closing Remarks | SOM Foundation & IntCDC

Architecture is constantly evolving. Structure has always been a key aspect of the evolution of architecture. At times, new technologies are created that lead to new opportunities in architecture. Ancient examples include the arch and the dome; modern examples include cable structures and tubular high-rise buildings. Often, this leads to buildings in which the structure and the architecture are so integrated that one cannot be described without also describing the other.

Architecture is rapidly changing as the demand for new design solutions accelerates. We are also in a time when climate change requires new approaches. Structure—and its embodied carbon—is a key aspect in addressing the issues of climate change.

Can research lead to new engineering systems and design methodologies that create opportunities for new, substantive architecture that is environmentally responsible?

The second edition of the forum invites some of the world’s leaders in architecture and engineering to congregate at the University of Stuttgart. The full-day event includes presentations by academics and industry leaders whose body of work, creativity, and expertise inspire the future of materiality in the built world. Each forum honors a leader in research and design for architecture and engineering; this edition honors architect and structural engineer Werner Sobek.