# SimAUD 2018

## PRE-CONFERENCE WORKSHOPS

SYMPOSIUM ON SIMULATION //
FOR ARCHITECTURE + URBAN DESIGN

TU DELFT, NETHERLANDS
4TH JUNE 2018

SimAUD2018 includes three days conference and one day pre-conference workshops. The workshops can be attended both by registered conference attendees and by anyone else interested. In both cases, a registration to the workshop(s) is required. No workshop fee applies to registered conference attendees. A small fee applies to the others participants (full fee: $70 – students fee: $25), for which there is no refund in case of cancellation after May 1st. To register to the entire conference event, including workshops, please use the QR code or visit: https://goo.gl/MHNN3J . To register only to (one or more) workshops, please visit: https://goo.gl/4qyTZr

8:30 - 9:00 | 9:00 - 10:30 | 10:30 - 11:00 | 11:00 - 12:30 | 12:30 - 13:30 | 13:30 - 15:00 | 15:00 - 15:30 | 15:30 - 17:00 | 17:00

WELCOME AND WORKSHOP REGISTRATION

***01 Adaptive Second Skins***
Mostafa Atwa & Ahmed Fayed

***02 Advanced Optimization Technology for Generative Building Design***
Alberto Clarich

***06 Immersive Simulation Representation through Virtual Reality***
Amber Bartosh

***07 Intuitive Design Environments through Virtual Reality and Robotic Fabrication***
Serdar Aşut & Arno Freeke

***09 Multimaterial Robotic Assembly***
Sina Mostafavi, Henriette Bier, Benjamin Kemper & Yu-Chou Chiang

***10 Network analysis based dynamic urban simulation in Grasshopper***
Reinhard Koenig, Martin Bielik & Sven Schneider

***11 Next generation parametric design with Packhunt.io***
Jeroen Coenders & Anke Rolvink

***12 Open Collaborative Design, Simulation & Analysis Flows***
Dimitrie Stefanescu, Paul Poinet & Giovanni Betti

***08 Morphogenetic Fluid Dynamics – Designing with CFD***
Angelos Chronis

***13 Practical Python for Building Performance Analysis***
Clayton Miller

***15 SMART Hospital Architecture, the development of a data driven simulation model***
Johan van der Zwart, Tor Åsmund Evjen, Domique Brodbeck & Nirit Pilosof

***16 Urban Interrelationalism: City Prototypes Based on Programmed Regulations***
Elisa Pozo Menéndez & Sergio del Castillo Tello

***03 Analyzing Solar and Daylighting Access in Urban Areas***
Raphaël Compagnon & Christina Chatzipoulka

***04 Building Physics Modeling***
Ruud Börger

***05 How I Learned to Stop Worrying and Love Uncertainty***
Parag Rastogi

***14 Simulating Circadian Effects***
Siobhan Rockcastle, Marilyne Andersen, Martine Knoop, Aicha Diakite, Frederic Rudawski & Jon Sargent

WORKSHOP | COFFEE BREAK | WORKSHOP | LUNCH | WORKSHOP | COFFEE BREAK | WORKSHOP | CLOSING REMARKS