**SimAUD 2018**

**Symposium on Simulation // For Architecture + Urban Design**

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/IMdNN3J. To register only to (one or more) workshops, please visit: https://goo.gl/4qytZt

**WELCOME AND WORKSHOP REGISTRATION**

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<td>Workshop 01 Adaptive Second Skins</td>
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<td>9:00 - 10:30</td>
<td>Workshop 02 Advanced Optimization Technology for Generative Building Design</td>
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<td>10:30 - 11:30</td>
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<td>11:00 - 12:30</td>
<td>Workshop 06 Immersive Simulation Representation through Virtual Reality</td>
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<td>Workshop 09 Multimaterial Robotic Assembly</td>
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<td>Workshop 10 Network analysis based dynamic urban simulation in Grasshopper</td>
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<td>Workshop 11 Next generation parametric design with Packhunt.io</td>
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**WORKSHOP PROGRAM**

1. **01 Adaptive Second Skins**  
Mostafa Atwa & Ahmed Fayed

2. **02 Advanced Optimization Technology for Generative Building Design**  
Alberto Clarich

6. **06 Immersive Simulation Representation through Virtual Reality**  
Amber Bartosh

7. **07 Intuitive Design Environments through Virtual Reality and Robotic Fabrication**  
Serdar Aşut & Arno Freeke

9. **09 Multimaterial Robotic Assembly**  
Sina Mostafavi, Henriette Bier, Benjamin Kemper & Yu-Chou Chiang

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

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

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

8. **08 Morphogenetic Fluid Dynamics – Designing with CFD**  
Angelos Chronis

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

3. **03 Analyzing Solar and Daylighting Access in Urban Areas**  
Raphaël Compagnon & Christina Chatzipoulka

4. **04 Practical Python for Building Performance Analysis**  
Clayton Miller

13. **05 How I Learned to Stop Worrying and Love Uncertainty**  
Parag Rastogi

14. **04 Morphogenetic Fluid Dynamics – Designing with CFD**  
Angelos Chronis

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

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