
38th eCAADe Conference

anthropologic *architecture and fabrication in the cognitive age*

...from smart to behavioral

...from digital to material

Wednesday 15th – Friday 18th of September 2020
Workshops Monday 14th - Tuesday 15th of September 2020

Technical University Berlin [TUB]
Faculty of Planning, Building and Environment, Institute of Architecture
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<http://ecaade.org/>

<http://www.ecaade2020.tu-berlin.de/>

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Call for Papers

Humans and technology today form an inseparable link that have profound implications for Earth's ecosystems – leading to the debate for a new era: the Anthropologic. In recent years, the transition from analog to digital architecture has materialized through increasing availability of novel software and new methods in digital architecture fabrication – tooling. The cognitive and digital turn implies ubiquitous computing, artificial intelligence, augmented reality and material intelligence, but to mention a few. The resulting design strategies overwhelm our discipline of architecture, encouraging a re-thinking of architecture, the architect's role and responsibility, as well as architectural education. The development of digital technologies is compounding the need to develop ethics for this new technological state – shifting computer architecture from its focus on technology to a focus on humans.

The theme “Anthropologic – Architecture and Fabrication in the cognitive age ... from smart to behavioral ... from digital to material”, critically questions the idea of the digital as purely technical interface, but encourages the extension of the digital towards, or rather back, to the material world. During the conference we are aiming at reflecting architecture in its transformation – in light of the Anthropocene stipulating data-based strategies for lean automated processes for architecture production and design through big data. The theme “Anthropologic – Architecture and Fabrication in the cognitive age ... from smart to behavioral ... from digital to material”, critically questions the idea of the digital as purely technical interface, but encourages the extension of the digital towards, or rather back, to the material world. During the conference we are aiming at reflecting architecture in its transformation – in light of the Anthropocene stipulating data-based strategies for lean automated processes for architecture production and design through big data. eCAADe2020 focuses on technical solutions fostering ethical feedback into architectonic culture, an evolution of the human-machine interface, ubiquitous computing and machine learning.

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Topics include, but are not limited to:

1. Design and computation of urban and local systems – XS to XL
2. Digital perception of Space – Cyber–physical Systems (VR, AR) – design strategies
3. Health and materials in architecture and cities
4. Education and digital theory – ethics, cybernetics, feedback, theory
5. Making through code – built by data and the architectural illustration
6. Robotic tectonics, automation and interaction
7. The cognitive city (AI)
8. Culture / Shift through ubiquitous computing / scripting and lingua franca
9. BioData / BioTectonics for architectural design
10. Cognizant Architecture – what if buildings could think

In order to specifically address some of the questions above, we define subthemes and organize specific sessions around these subthemes, during the conference as well as in the proceedings.

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Important dates

Deadline for short abstracts	15th January 2020
Feedback	15 th February 2020
Submission of full papers	1st April 2020
Accept / Reject	15 th May 2020
Camera Ready Upload	15 th June 2020
Deadline of early registration	tbc
Workshops	14 th – 15 th September 2020
Conference	16 th – 18 st September 2020

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Short Abstracts

Authors are expected to submit short abstracts using OpenConf submission system via the link provided on the eCAADe2020 website.

Short abstracts should have **300–350 words plus references and one(!) image in the same document.**

Abstracts must be strictly anonymous

→ please avoid any affiliations

→ please avoid adding any authors' names

Paper acceptance will be subject to a two-stage double-blind peer reviewing process, consisting of short abstracts blind reviews and full paper double-blind peer reviewing process by three reviewers each.

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Kind regards,

The eCAADe 2020 Organising Committee

Liss C. Werner

Dietmar Köring

Surya Patnaik

Theresa Lohse

Louna AlBondakji

Valmir Kastrati

[Apologies for cross-postings]