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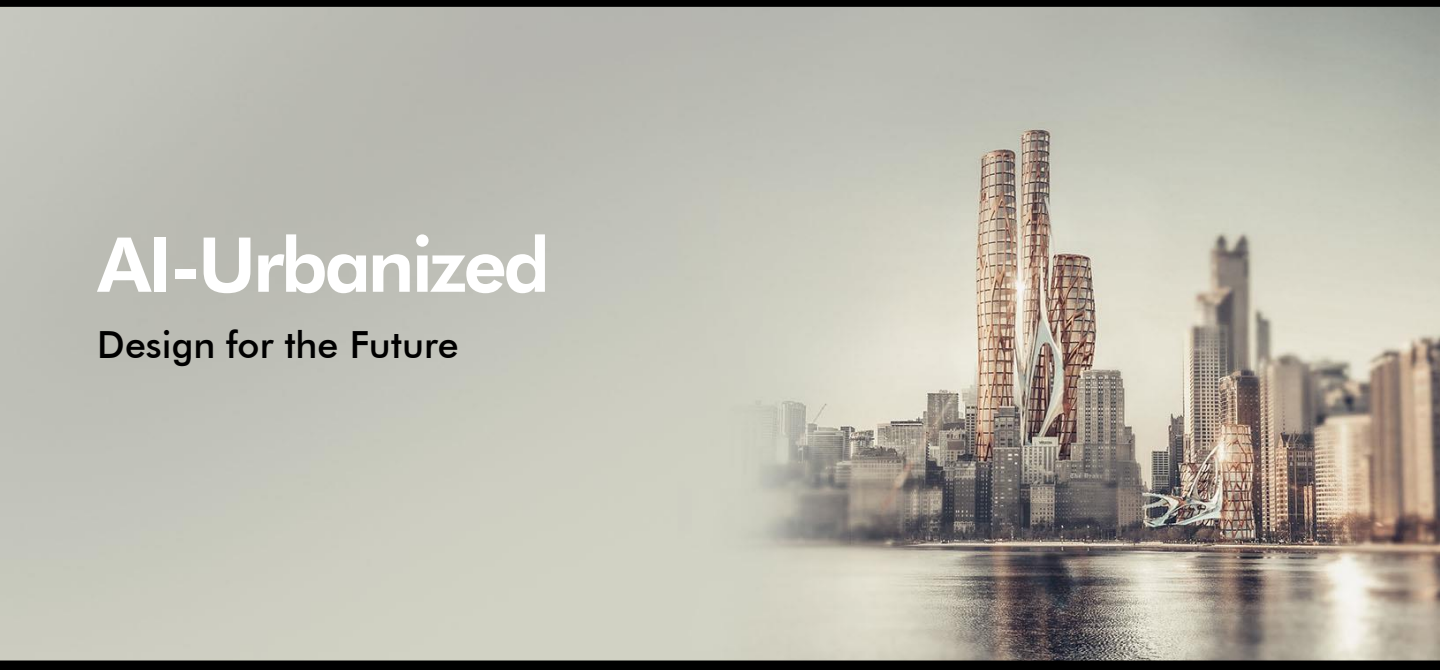


AI-Urbanized

Design for the Future

Eco-Urban Analysis

Parametric Workshop | 4 Days | 26, 27, 28 Feb & 7 Mar

REGISTERATIONS OPEN

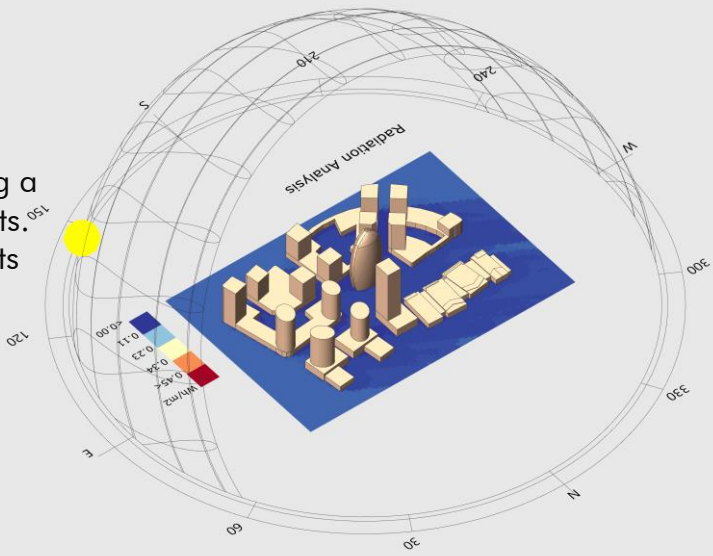
Session Overview

A 4 days extensive workshop on Parametric Design and the role of **Artificial Intelligence in Architecture**, AI-Urbanized, a unit of Parametrized series by Equim Education, is an intensive workshop designed to deliver key learnings and explorations in the technique of Computational Thinking where the relationship between elements, users, environmental factors & surroundings is used to shape and dictate the form of geometries.

In **AI-Urbanized**, we tap into the deep insights developed on how we can comprehend, proctor, quantify, and computationally design spaces of any scale.

Virtual Exhibition

The Workshop will involve the Participants Collaborating with each other and Designing a Conceptual Project with the Learned Concepts. Followed by a Virtual Exhibition of the Projects and further, **Declaration of Winners**.



Event Details

Topic: Environmental & Geo-Urban Analysis driven Design
Software: Rhinoceros & Grasshopper 3D
Plugins covered: Ladybug, Honeybee, Human, Wallacei, Cocoon, and many more
Duration: 4 days
Date: 26, 27, 28 February 2021
Virtual Exhibition: 7 March 2021
Time: 11 AM to 5 PM
Mode: Online Live Interactive Sessions

Day Wise Lookup

Day 01

•Introduction to Grasshopper
•Role of Environmental Design
•Environmentally responsive design case studies
•Energy Efficiency (Macro & Micro Scale)
•Day Light Analysis
•Solar Study & Ray Tracing
•Real time radiation analysis
•Comfort Analysis
•Form finding and View Rose Modelling
•Maximizing views while minimizing Sun Exposure
•Data Comparisons: Visualizing, Analysis & Inferences

Day 02

•Quantifying visual access to Scenery
•Form finding via Visual Quantification
•Extracting and City Map in Layers
•Mapping Human activity to Quantify Spaces
•Case Studies
•Mapping Human Interaction in the City
•Drawing inferences & hotspots for design intervention
•Illustrating the urban study in an animation
•Identifying site based on Human Comfort at Building & Urban Level

Day 03

- Facade manipulation based on Movement & Environmental Studies (Generative Learning)
- Multi-Objective Evolutionary Algorithms (MOEA)
- Introduction to MOEA
- Process of MOEA
- Optimizations through MOEA
- Simulating Human Movement and Way Finding
- Introduction to Space Syntax
- Process & Applications of Space Syntax
- Space Syntax Simulation to identify the important routes

Day 04

- Design Studio Virtual Exhibition
- Design Reviews
- Workshop Culmination

Who Should Attend

- Architectural Students & Professionals with Parametric Aspirations
- Freshman to Computational Design Domain
- Designers wanting to test out new methods of Designing and Form Finding
- Students aiming for insights into the practical Architecture Industry
- Basic knowledge of Grasshopper/Rhino is required

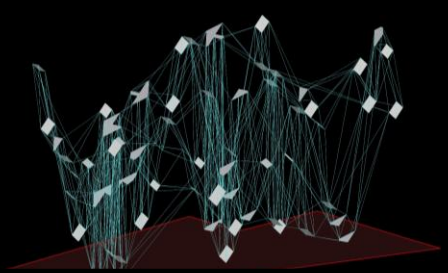
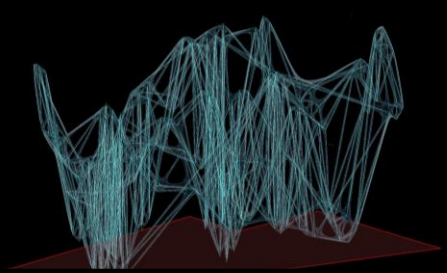
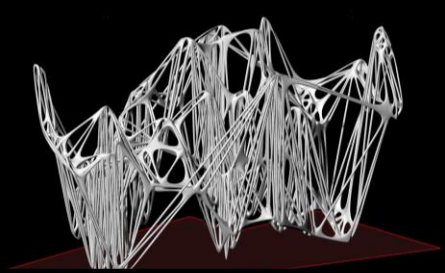
Registration Process

Registration process is fairly simple, register yourself on www.equimdesigns.com/ai-urbanized for the workshop or press the '**Register now**' button below to initiate the process.

Upon approval of your application your spot will be reserved and the same will be communicated.

Limited seats available.

REGISTER NOW

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