

Corso di Dottorato di Ricerca in Ingegneria dell'Energia, dei Sistemi, del Territorio e delle Costruzioni



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10:30 – 12:30 Module 1

13:30 – 15:30 Module 2

“Parametric-intelligence for building design”

Parametricism addresses challenges in architecture, urbanism, and product design, as well as experimental research in structural engineering, fabrication, and robotics within the built environment. In this frame parametric design has spurred a new generation of designers and students to explore advanced computational design techniques.

The seminar highlights the importance of Artificial Intelligence (AI) in the creative process for designers, understanding the potential and limitations of these technologies. It develops the creative possibilities of digital tools and showing the applications of generative design tools and as an evolved paradigm in the architectural design process, considering algorithmic computational geometries with high complexity beyond traditional methods.