

From 17,000 Pixels to 13 Comb Variations: A Façade Rationalised in Grasshopper

For This Is The Place in Mumbai, Rhino and Grasshopper helped turn a façade conceived as approximately 17,000 individual pixels into a buildable system of just 13 comb variations, linking artistic intent, panel organisation and fabrication drawings.

Del algoritmo a la obra: diseño computacional, inteligencia artificial y fabricación digital para una arquitectura posible

La conferencia buscaría mostrar a los estudiantes cómo el diseño computacional permite pasar de una idea o una geometría compleja a una solución arquitectónica viable, conectando el proceso de diseño con la ingeniería, los materiales, la fabricación y la construcción.

CAD Agents Using Runchat

Powered by Runchat alongside state of the art models from OpenAI and Anthropic, this workshop introduces a new paradigm of agent-assisted modelling.

Quality & Control in Generative Image Making Using Runchat

Unlock the true potential of generative AI directly within Rhino 8 and Grasshopper using Runchat, the design agent that transforms existing geometry into visual concepts, parametric models, and high-precision animations.

SANCTUM: Parametric Joinery and CNC-Carved Surfaces in a Room for One

Designed by Rafael Luna of Infra-Architecture Lab, SANCTUM is a plywood micro-architecture built around a parametric interlocking system and CNC-carved interior surfaces. Rhino and Grasshopper connect its sculptural form, fabrication logic, and exploration of acoustic behavior.

From Shoe Lasts to Printed Molds: An Evolving Rhino Workflow in Footwear

René Medel's work offers a view of how Rhino workflows in footwear have expanded from modeling lasts and soles to generating internal structures and designing production tooling. Light Tube Foam Sole brings those methods together in a 3D-printed mold developed at framas.

Ceramic Craft and Digital Fabrication at Hotel Thompson Sevilla

A 50 m² ceramic lattice for Hotel Thompson Sevilla uses Rhino and Grasshopper to connect image-based geometry mapping, custom G-code generation, clay 3D printing, and a carefully coordinated on-site assembly process.

Continuous Curves, Rotating Forms: A New Approach to Ceramic Printing

What if clay 3D printing could move beyond stacked layers? Mark Meier's experimental rotary-axis process combines Rhino, Grasshopper, Python, and robotic fabrication to draw continuous ceramic patterns directly onto rotating 3D forms, creating remarkably light and intricate structures.

Solander 38: Rhino as the Common Language of an Evolving Vessel

Solander 38 is a self-sufficient, solar-electric cruising catamaran developed through an unusually collaborative design and build process. At its center, an evolving Rhino model became a common language between designers, builders, fabrication workflows, construction drawings; and eventually an interactive digital record of the vessel itself.

Godzilla: From Form-Finding

to a Built Gridshell

A research team at the University of Tokyo transformed a NURBS-based form-finding workflow into a full-scale fabrication and assembly system for a complex gridshell. Developed with Rhino, Grasshopper, and the custom Godzilla plugin, the project connects computational geometry directly with planar fabrication, student-led assembly, and real-world structural constraints.