

Sea N See: Where Parametric Design Meets CNC Craftsmanship

The Sea N Sea project showcases the creative potential of combining parametric design with CNC technology, using Grasshopper and RhinoCAM to transform visual inspiration into a striking, textured panel.

Vortex Facade for ExpoCamacol Medellín 2024

The Vortex project by Doblamos for ExpoCamacol Medellín 2024 features a striking facade with circular waves. Using Grasshopper to manipulate metal sheet sections, its innovative design showcases the potential of computational tools in creating visually dynamic architectural surfaces.

Circular Economy in Action: The Wood Project

The Wood Project by MANUFACTURA and La Metropolitana uses Rhinoceros and Grasshopper to convert sawdust into 3D-printed architectural elements, demonstrating the potential of computational design in sustainable, circular economy

practices.

Exploring New Frontiers in Lamp Design

The Crescent Lamp is a parametric design and digital fabrication product that showcases the seamless blend of minimal surfaces and advanced craftsmanship. It was developed as part of Controlmad's Master course and highlighted the transformative potential of algorithm-aided design.

Architectural Acoustics at their Best: The Blitz Club

The Blitz Club represents architectural innovation and acoustic precision, transforming a historic venue into a modern marvel by leveraging cutting-edge design tools and fostering close collaboration among designers, acousticians, and fabricators.

An Innovative Exhibition Stand at CES by Simon Vorhammer & Atelier Grande

An example of innovative thinking and temporary architecture, combining aesthetic appeal with functional brilliance to create an engaging and educational experience for visitors.

Arloize: Turning Wood Scraps into Personalized Clocks

The Arloize project repurposes wood waste into functional art, empowering makers to create modern yet traditional clocks while promoting environmental sustainability and local craftsmanship.

The Phoresy Pack: A Breakthrough in Ergonomic Design

An ergonomic backpack that blends traditional artistry with cutting-edge design technology, redefining backpack innovation while supporting local craftsmanship.

Shellbical Pavilion

The Shellbical Pavilion emerged as a collaborative endeavor from students enrolled in the Digital Construction Bachelor's program at Lucerne University of Applied Sciences and Arts (HSLU).

The Carapacks Pavilion: A Hexagonal Innovation

The Carapacks Pavilion features a versatile design suitable for wooden pavilions, roofs, and facades, showcasing architectural exploration and collaboration through innovative design and digital integration.