

Flow: Parametric Techniques for a Meditative Retreat

Flow, an innovative geodesic dome project at Universidad del Sinú in Colombia, leverages parametric design to create a meditation space that harmonizes structure, light, and natural ventilation for a serene and uplifting experience.

The Aether Concept Car's Revolution in Electric Vehicle Design

Aether, a full-scale electric concept car designed by SCAD students, combines intricate parametric design with advanced additive manufacturing to craft its interior and exterior components. Using tools like Rhino 8, Grasshopper, and Multi-Jet Fusion technology, the team created flexible, resilient structures and intricate lattice patterns.

Gerard Furbershaw: From Industrial Design to Art

Furniture

Gerard Furbershaw's transition from industrial design to art furniture merges precision engineering with artistic expression. Using digital modeling and layered materials to craft unique sculptural pieces, his work redefines furniture as "art you can sit on."

Alejandra Alfaro's CAD to Casting Journey at Milano Jewelry Week

Discover how Alejandra Alfaro's innovative use of CAD and digital fabrication techniques led her to win the prestigious Artistar Jewels Network Award at Milano Jewelry Week 2024. Her striking silver rings, crafted without traditional molds, perfectly blend artistry and technology, pushing the boundaries of modern jewelry design.

Bringing Concepts to Life: Parametric Wall Creations at UDLAP

Students at Universidad de las Américas Puebla drew inspiration from oceanic and solar themes to transform

abstract concepts into striking wall pieces using parametric design.

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.

Imagining Sustainable Design: The Longsheng Yoga Pavilion

The Longsheng Yoga Pavilion by Helena Riesenberger, a digital project conceived within the serene landscapes of the Longsheng Rice Terraces in China, exemplifies a forward-thinking approach to sustainable design.

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.