

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.

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.

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.

Predictive Precision in 3D Printing Through AI

Neelam Chellani's research focused on enhancing shrinkage and deformation prediction in 3D printing through cGANs, delving into machine learning's ability to forecast deformation in 3D-printed objects.

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.

Jewelry Design Challenge at Tec de Monterrey

This jewelry design project involved creating a three-piece silver jewelry collection, enabling students to develop a Grasshopper definition for infinite iterations and showcasing their creative and interdisciplinary skills in contemporary design education.

Digital Fabricators Project: Kerf Fabric

A unique project helmed by students enrolled in the Digital Construction Bachelor's program at Lucerne University of Applied Sciences and Arts (HSLU). The design of this

hemisphere and its fitting influenced the production of Voronoi plates using a 3-axis CNC milling machine.

Electrifying the Road

Unleashing innovation in Argentina's industrial design course with Rhino-powered electric go-karts

The Bubble Pavilion

The "Bubble Pavilion" is an experimental pavilion of ephemeral architecture that uses plywood panels as the raw material, inspired by geometric relationships found in spherical soap bubbles of equal radius.