

Matteo Bulla's Thesis on Digital Shoe Design

A thesis project that shows how digital tools can revolutionize footwear design by combining creativity with technical precision to create innovative and sustainable products.

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).

Innovation Over Time: KPF's Legacy with Rhino.Compute In-House Developed Plugins

KPF's journey demonstrates the power of innovation, using expertise and technology to redefine architecture.

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 White Snake Bridge Model

The White Snake Bridge is inspired by the sinuous form of a snake. The design process involved careful planning and strategic decisions, blending innovative parametric modeling techniques with traditional craftsmanship.

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.

The Talavera Project, Bridging Heritage and Technology for a Sustainable Future

The Talavera Project aims to blend traditional handmade craftsmanship with digital fabrication, specifically robotic 3D printing. Inspired by Uriarte Talavera's historic techniques, the team used Rhino for 3D modeling and Grasshopper for slicing and optimizing printing.

The Nautilus Project's Dance between Nature & Computational Design

Helmed in Vigo, Spain, the Nautilus project combines nature-inspired architecture with computational design, linking the private Marine Research Institute (IIM) with the public. It symbolizes the advancement of knowledge through a shell incorporating advanced design methodologies, representing a new era in the fusion of aesthetics and functionality.

Unlimited Space

This project explores the intricate movements of the human hand and how they translate into a captivating robotic performance.

Medio Design Collaborates to Illuminate El Corte Inglés

This light, translucent, yet strong luminaire was created with carefully chosen materials and influenced by Japanese aesthetics. The design is suitable for busy areas, in this case, a department store.