Parametric Craftsmanship: Digital Workflows and Jewelry Fabrication at IXU Design

At IXU Design, computational design meets traditional jewelry craftsmanship. Using Rhino and Grasshopper, complex parametric geometries are translated into precise physical pieces through casting, advanced materials, and meticulous hand finishing.

Squama: Technique as a Generative System in Body Jewelry

Squama explores how fabrication technique can operate as a generative design system, transforming flat silver into a responsive body landscape through parametric kerf bending.

Adaptive Fashion: Designing with Body Data

Adaptive Fashion is a design research project by Laura Civetti that transforms body data into generative garment patterns using Rhino and Grasshopper. By translating information such as posture, curvature, and stress zones into computational

rules, the project prototypes adaptive clothing systems with 3D printing, paving the way for highly personalized, high-performance fashion.

Pinko Takes Off: Parametric Retail Design at Rome Fiumicino Airport

At Rome Fiumicino Airport, Pinko’s new flagship store merges fashion and technology through a parametric design inspired by the brand’s signature patterns. Brought to life with robotic 3D printing using Rhino and Grasshopper, the space sets a new standard for sustainable, regulation-compliant retail architecture.

The Evolution Collection by Naman Choudhary: Parametric Jewelry as a Reflection of Identity

In The Evolution Collection, Naman Choudhary harnesses parametric design to craft intricate jewelry pieces that symbolize personal growth and transformation. By blending digital precision with traditional craftsmanship, the

collection showcases the potential of computational tools in contemporary jewelry design.

Ica & Kostika’s Mycelium Sneakers: Pushing Boundaries in Design and Technology

Ica & Kostika’s Mycelium Sneakers combine 3D printing with a unique design inspired by mycelium growth. Using Rhino3D for precise modeling and adjustments, the sneakers are made from a recyclable elastomer, offering comfort and breathability. Initially launched as an NFT, the project overcame production challenges and expanded through strategic partnerships, showcasing the potential of technology in footwear design.

Pedorthic Information Modeling: Revolutionizing Orthopedic Footwear with 3D Printing and Computational Design

Developed by footwear engineer Daniel Petcu, Pedorthic Information Modeling (PIM) revolutionizes the design of

orthopedic footwear by combining parametric design principles with 3D printing. This innovative approach allows for fully customizable, functional, and stylish medical footwear, overcoming the limitations of traditional hand-made methods.

Crafting Stories in Jewelry: Ana Rubio’s Approach to Digital and Handcrafted Design

Ana Rubio blends traditional craftsmanship with modern technology, using Rhinoceros 3D to create jewelry that tells unique stories through natural, geometric, and symbolic designs.

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.

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.