

Speculating Futures: DeNile's Vision for a Water-Adapted Egypt

DeNile is a speculative design project by students at Coventry University Cairo that envisions adaptive futures for Egypt in response to rising sea levels. Through floating farms, vertical aquaculture, and digitally modeled hybrid systems, the project reimagines survival in a water-transformed landscape.

New Dawn: A Lamp That Lives, Breathes, and Decomposes

New Dawn by Aga Blonska is a 3D-printed lighting piece that transforms microbial biopolymers into an evocative sculptural form, entirely modeled and fabricated within the Rhino and Grasshopper environment. Showcased at Milan Design Week 2025, the project reimagines material decay as design potential, marking a milestone in sustainable large-scale additive manufacturing.

The Rooster Wears Code:

Parametric Design in Recife's Galo da Madrugada

For Recife's 2025 Carnival, computational designer Pedro Vilarim developed a parametric system to map 10,000 recycled plastic bottles onto the chest of the 32-meter Galo da Madrugada sculpture. The design reimagines the vibrant cloak of the Caboclo de Lança using code, craftsmanship, and discarded materials.

Reimagining Prosthetics: A Parametric Foot Cover

Franziska Hagenauer's project transforms prosthetic design through a parametric foot cover that highlights, rather than hides, the underlying technology. Developed at Controlmad using Rhino and Grasshopper, the design merges biomimicry, digital fabrication, and personal expression.

La Pendentia: A Community-Led Suspension Bridge Project in the Swiss Alps

La Pendentia is a slender suspension bridge in the Swiss Alps that blends digital precision with ecological sensitivity.

Designed using Rhino and Grasshopper, it showcases how thoughtful engineering and community collaboration can shape resilient, elegant infrastructure.

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.

Twister: A Parametric Approach to Floral Design

Twister by Berfin Erdogan is a parametrically designed flower pot that merges organic forms with computational precision. Inspired by natural spiral patterns, the design features a twisting wave texture on top and a Voronoi base that enhances airflow and structural stability. Created using Rhino and Grasshopper, Twister exemplifies how parametric design tools can combine aesthetic fluidity with functional efficiency, offering customizable and sustainable design solutions.

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.

The Design of the 'Mountain' Slide: Reviving Play

The 'Mountain' slide reimagines playground design with dynamic parametric curves, inspired by nature and play. Modeled in Rhino and crafted in lightweight yet durable FRP, this award-winning structure captivates children with its endless loops of movement and imaginative forms.

Cnidaria Pavilion: A Novel Approach to Load-Bearing Architectural Skins

The Cnidaria Pavilion, developed at the Université de Montréal's School of Architecture, showcases an innovative approach to large-span, doubly curved structures using lightweight aluminum sheets. Combining computational design with manual folding and snap-fit assembly, the pavilion demonstrates a new structural system that balances efficiency, aesthetics, and rapid fabrication.