S·O·S, Skin of the Sky: Connecting Voices, Lightning, Sound, and Light Through Rhino and Grasshopper

For Nuit Blanche 2026, artist Marie-Luce Nadal transformed a Parisian church into a living map of human wishes and atmospheric events. Rhino 8 and Grasshopper became the central coordination environment connecting the venue’s geometry with 80 loudspeakers, 43 lighting fixtures, spatial audio, and real-time lighting previsualization.

Aion: Turning History into Morphology

Designed for Southeastern Louisiana University’s centennial anniversary, Aion transforms institutional memory into inhabitable geometry. Developed through Rhino and Grasshopper, the monument combines parametric thinking, site analysis, and fabrication logic to create a public installation where history, movement, and community intersect.

Casa Fratelli: Generative Growth within a Historic Ruin

A parametric liana composed of 1,000 3D-printed elements reclaims a historic ruin in Bucharest, using generative design and custom fabrication workflows to merge light, material, and growth logic.

Parametric Sculptures for PUMA: Digital Precision in Antofagasta

A pair of monumental parametric pumas, installed at PUMA’s Antofagasta store, showcases how digital design, CNC fabrication, and meticulous layering can transform feline anatomy into striking sculptural forms.

Monumento Pijao Ancestral: A Father–Son Fusion of Art, Technology, and Heritage

The Monumento Pijao Ancestral in Tolima, Colombia, is a 13.6-meter steel sculpture created by artist Edgar Varón Oviedo and his son, industrial designer Edgar Daniel Varón Villarreal.

Blending ancestral geometric patterns with advanced 3D modeling in Rhino and Grasshopper, the monument honors the Pijao people through a fusion of art, cultural heritage, and precision engineering.

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.

From Code to Clay: 3D Ceramic Printing at 3D Clay Summer School

At the 3D Clay Summer School, designers and researchers push the boundaries of ceramic fabrication through robotic extrusion and computational design. Datura Sculpture showcases how parametric modeling and advanced toolpath scripting transform raw clay into intricate, organic forms.

Mangrove: A Record-Breaking Glass Sculpture by Nikolas Weinstein

Suspended in the grand atrium of Solaire Resort North, Nikolas Weinstein’s record-breaking glass sculpture Mangrove redefines architectural art. Drawing inspiration from the intricate roots of native mangrove trees, the monumental 27-meter-tall installation combines 11 kilometers of borosilicate glass tubing with advanced digital tools like Grasshopper.

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.