Revolutionizing Climbing Wall Design with Computational Workflows

Climbing walls have transcended their traditional role as recreational structures, emerging as fertile ground for architectural innovation driven by computational design.

V2 Marine Design: Revolutionizing Marine CFD with Orca3D

Integrating Computational Fluid Dynamics (CFD) into small design offices has revolutionized the marine industry. Orca3D’s template architecture in Rhino3D has made the process accessible for non-CFD experts, extending the analysis beyond the hull to evaluate fluid behavior in a 3D domain.

Triangulation: 3D Printed Parametric Jewelry &

Accessories

Triangulation boldly explores new frontiers in fashion by blending architectural aesthetics with cutting-edge design technology. Utilizing Rhino and Grasshopper, AI-generated designs are brought to life through 3D printing.

The Story Behind HarmOH Pairing Bar’s Unique Lighting Installation

The HarmOH Pairing Bar in Brazil was designed to balance creativity, budget constraints, and time limitations. The concept of “fluidity” was introduced to reflect the flow of the adjacent street within the building, resulting in a harmonious and attractive design.

A Pioneer’s Journey at the Intersection of Art, Mathematics, and Technology

As we celebrate Rhino’s 25th anniversary, we recognize the contributions of Rinus Roelofs, who uses Rhio without preconceived notions of scale, material, or color, allowing for a flexible and practical approach to his projects. His

innovative and creative spirit has propelled the software to greatness, exemplifying the endless possibilities when mathematics, art, and technology intersect.

The Melting Bookshelf

A simple bookshelf made using the parametric capabilities of Grasshopper.

Grupo MSH’s Innovative Façade: Creating a Harmony of Environment and Aesthetics

Grupo MSH uses solar design principles and computational analysis to optimize energy usage and window placement, balancing daylight and solar heat gain. Their architectural solutions blend functionality and visual appeal, integrating natural lighting, radiation, transparency, and illumination in a responsive design.

Elevating Surfing to New Heights

Utilizing advanced lithium battery packs and carbon fiber hydrofoils to create a sensation of flying over water, Lift Foils provide an exceptional water experience with powered and non-powered hydrofoil surfboards.

Electrifying the Road

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

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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.