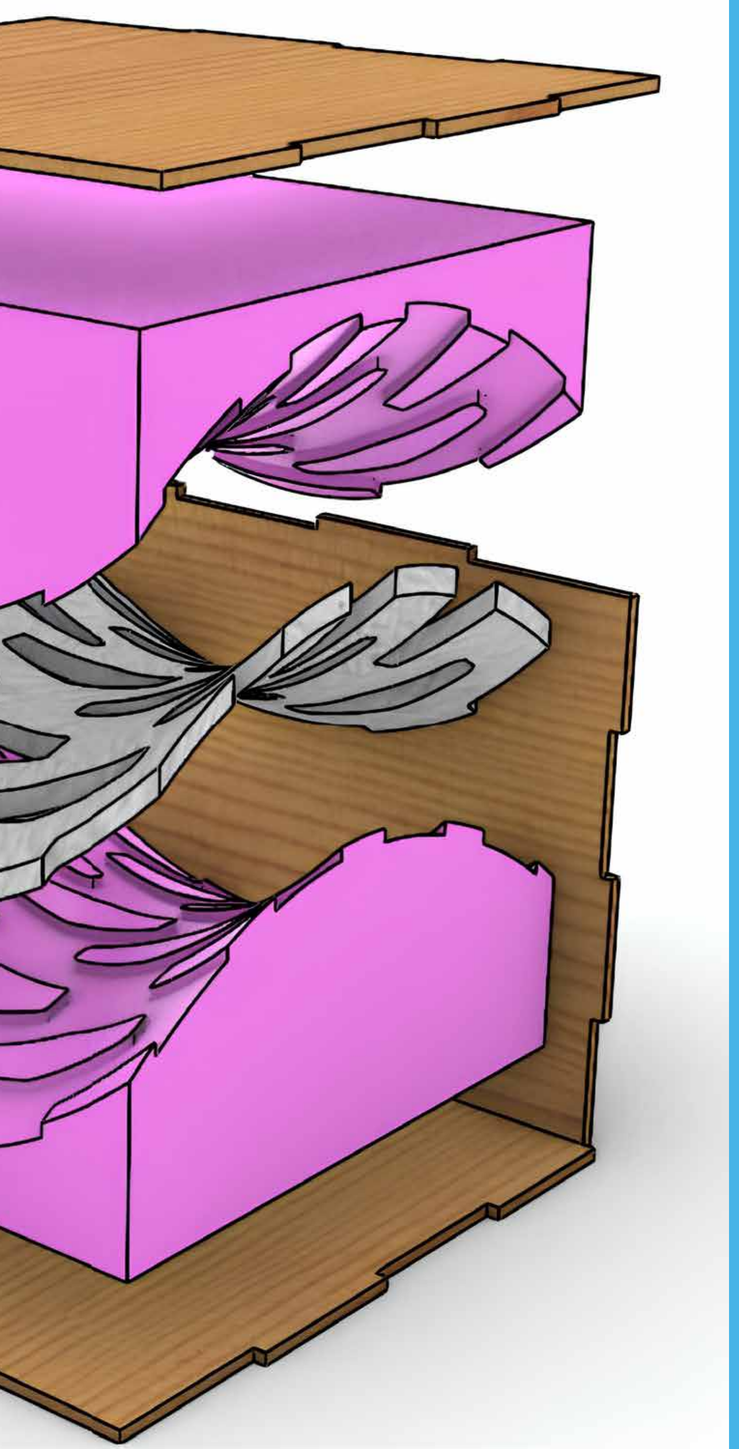

WS06

Cacomixtle: Parametric Plugin for the Design of Complex Geometry Molds

This workshop introduces participants to the parametric design and segmentation of molds for double-curved precast concrete elements using Rhino and Grasshopper. Leveraging the custom plugin Cacomixtle, the session focuses on automating key tasks such as orientation, segmentation, rib layout, counter-mold generation, and panel detailing.

The workshop emphasizes the integration of computational design with manufacturing workflows, promoting better communication between digital modeling and technical fabrication teams. The relevance lies in addressing the growing need for adaptable, precise, and scalable tools in the prefabrication industry. Teaching intent includes hands-on training with algorithmic modeling strategies and digital simulations for optimizing production processes.

Tutors · Enrique Hernández | **UNAM**

Requirements · **Basic knowledge of Rhino and Grasshopper. Personal laptop (Windows 10 or 11 (64-bit), Intel Core i7 or AMD Ryzen 7 equivalent, Minimum 16 GB of RAM), Graphics: Dedicated GPU recommended w/ 10 GB of free space, Rhino 8**

Capacity · **20 Participants**

October 26 | 9 - 18h
Centro de Ingeniería Avanzada
CU UNAM