



**IASS 2025**

**WORKSHOPS**

**Are you ready to enroll?**

# Workshop Registration Process

**Step 1** Register on the official 2025 website



# Workshop Registration Process

**Step 2** Access the participant platform and go into Purchase Complementary Services

Complete the payment and keep your receipt

**¡HOLA AMIGO!**

Welcome to your IASS 2025 account. From here you can purchase your admission passes and complementary services, as well as view your purchase history and edit your profile.



**PURCHASE YOUR  
IASS 2025 PASS**



**PURCHASE  
COMPLEMENTARY  
SERVICES**



**VIEW YOUR  
PURCHASE  
HISTORY**





**PLAN  
YOUR TRIP**

# Workshop Registration Process

**Step 3** Reserve your seat in an available workshop in the dedicated form with your name, email and receipt





THE LIVING PAST AS A SOURCE OF INNOVATION

### IASS 2025 Workshop selection

To confirm a workshop seat, you must first complete your [registration](#) and pay the corresponding workshop fee (USD \$50). Then, please fill out the form below. Only workshops with available seats will be displayed.

You may select only one workshop since they will develop in parallel, during the same day and with the same schedule.

Please have your receipt ready, as it will be requested as proof of payment to proceed with the form.

For full workshop details, please consult the [Workshops dossier](#) or see the information in our [Programme Section](#).

ronanb@fa.unam.mx [Cambiar de cuenta](#)

El nombre, el correo y la foto asociados a tu cuenta de Google se registrarán cuando subas archivos y envíes este formulario

\* Indica que la pregunta es obligatoria

Correo electrónico \*

Registrar ronanb@fa.unam.mx como el correo que se incluirá al enviar mi respuesta

Full name \*

Tu respuesta

Email address \*

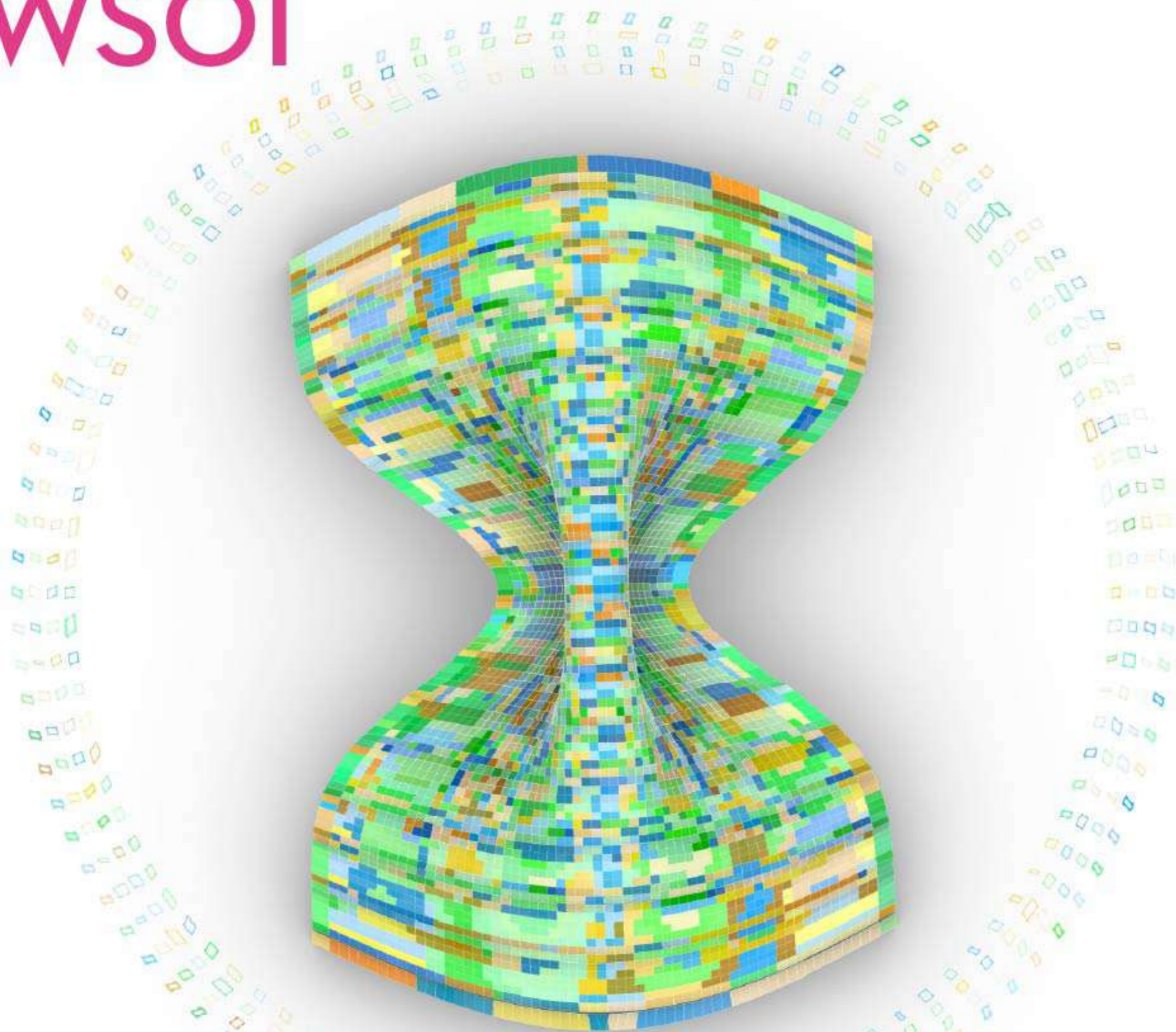
Tu respuesta

Payment receipt \*

Sube 1 archivo compatible: PDF o imagen. Tamaño máximo: 10 MB.

[Añadir archivo](#)

# WSO1



Infinite Variation to Clustered Optimization

# WSO1

Complex form, panelization, clustering in Python in Grasshopper3D. The workshop will explore some of our recent projects at IAAC, which draw inspiration from the Soumaya Museum in Mexico City. We will utilize parametric equations to generate forms, panelize the surfaces, and then apply clustering techniques such as K-Means or DBScan to minimize variation within the panels.

Tutor · James McBennett | **IAAC Faculty, MaCAD**

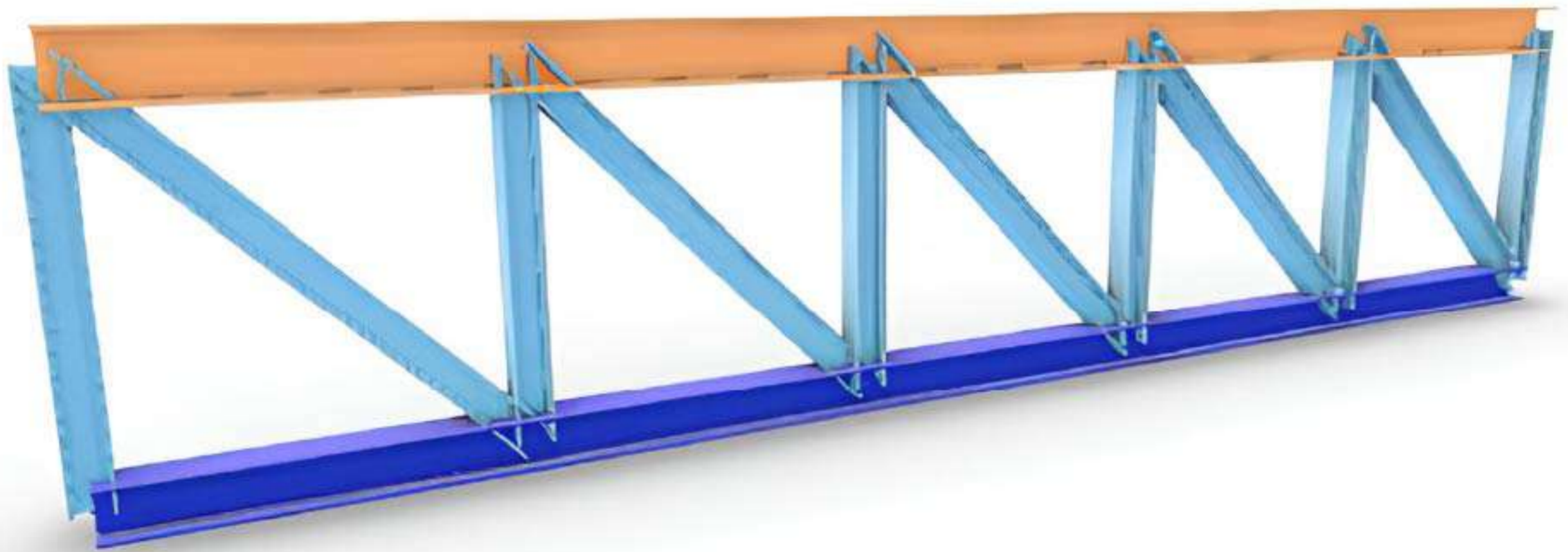
Requirements · **Rhino3D 8 / Grasshopper3D / Python**

Capacity · **25 Participants**

# WSO2

Powered by

**SPECKLE**



**Parametric Engineering:  
Collaborate and interact  
with structural data on the cloud**

# WSO2

Karamba3D allows for quick, accurate, and parametric finite element calculation. Geometries can be quickly optimized and iterated through parametric processes. Leveraging the Speckle platform, collaboration has been made easier, where structural models can be sent and received from the cloud. The workshop will also explore interactive dashboards in PowerBI where one can access the data from the structural calculation and optimization results from Karamba3D to have a holistic understanding of the models. + info online

Tutors · Clemens Preisinger, Matthew Tam and Georg Lobe |  
**U. of Applied Arts Vienna, Karamba3D, Bollinger+Grohmann**

Requirements · **Personal Laptop (windows is preferred) previous knowledge in Rhino/Grasshopper/Karamba3D/Speckle/PowerBI would be greatly beneficial**

Capacity · **25 Participants**



WSO3

Human Scaffoldings

# WSO3

The Human Scaffolding workshop at IASS25 will investigate how structural understanding can be enhanced through empirical and embodied experience. By taking inspiration from historical human-built formations, such as the Castellars of Catalonia, and engineering solutions like the human-like tilted pillars of Pier Luigi Nervi at the Palazzetto dello Sport in Rome, this workshop will immerse participants in the creation of lightweight structures, in which students are going to be proper components. The main goal of the workshop is to fill the gap between abstract theoretical knowledge and tangible spatial understanding, offering a dynamic and participatory way to explore structural principles.

+ info online

Tutor · Simone Barbi + Emanuele Cremona

**University of Florence, Italy**

Requirements · **Personal Laptop / Comfortable clothing**

Capacity · **40 Participants**

WSO4



Membrane Tensegrity

Shell Structures

# WSO4

This workshop will show participants how to design Membrane Tensegrity Shell (MTS) Structures. MTS structures consist of a network of discrete struts within a continuous tensile membrane. Unlike typical tensegrity structures MTS structures are relatively easily drawn and modeled since they have only a 2D pattern of struts and a single membrane. Validated MTS design workflows developed by the team will be shown from first principles. Participants will be able to tailor their own MTS's using both physical and digital modes. The attendees will be provided with a kit of parts.

+ info online

Tutors · Kenneth Tracy, Christine Yogiawan, Ying Yi Tan + Prerita Jinachandran. |

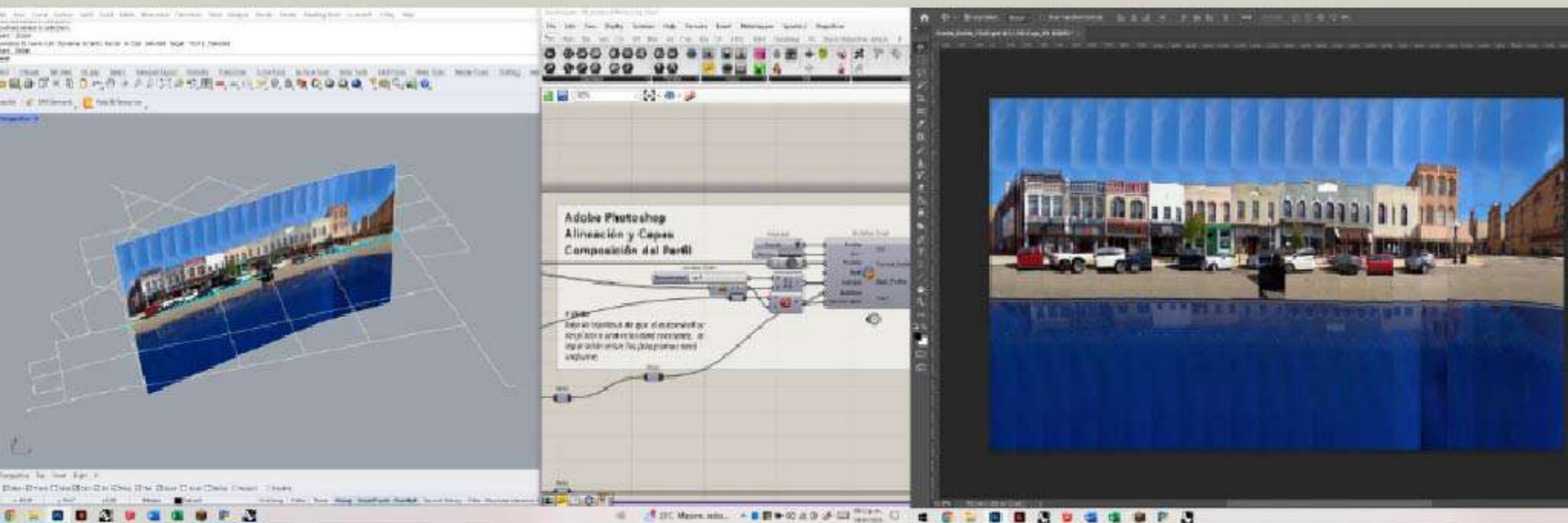
**College of Architecture, Art, and Design American U. of Sharjah, UAE | Canadian U. of Dubai | Singapore U. of Technology and Design**

Requirements · **Personal laptop Rhino 3d**

# WSO5



Universidad Nacional Autónoma de México  
Facultad de Arquitectura  
Laboratorio de Arquitectura + Diseño y Tecnología  
Autor: Edgar Zamora



## Street Data Insight

# WSO5

In this workshop, participants will employ remote resources to develop a detailed and efficient understanding of the inherent complexity of architecture within cities. The workshop will introduce to the use of digital tools for the construction of urban and architectural profiles for surveying structures of interest and heritage, based on the collection and processing of panoramic images as a complement to the study of public space and informed decision-making.

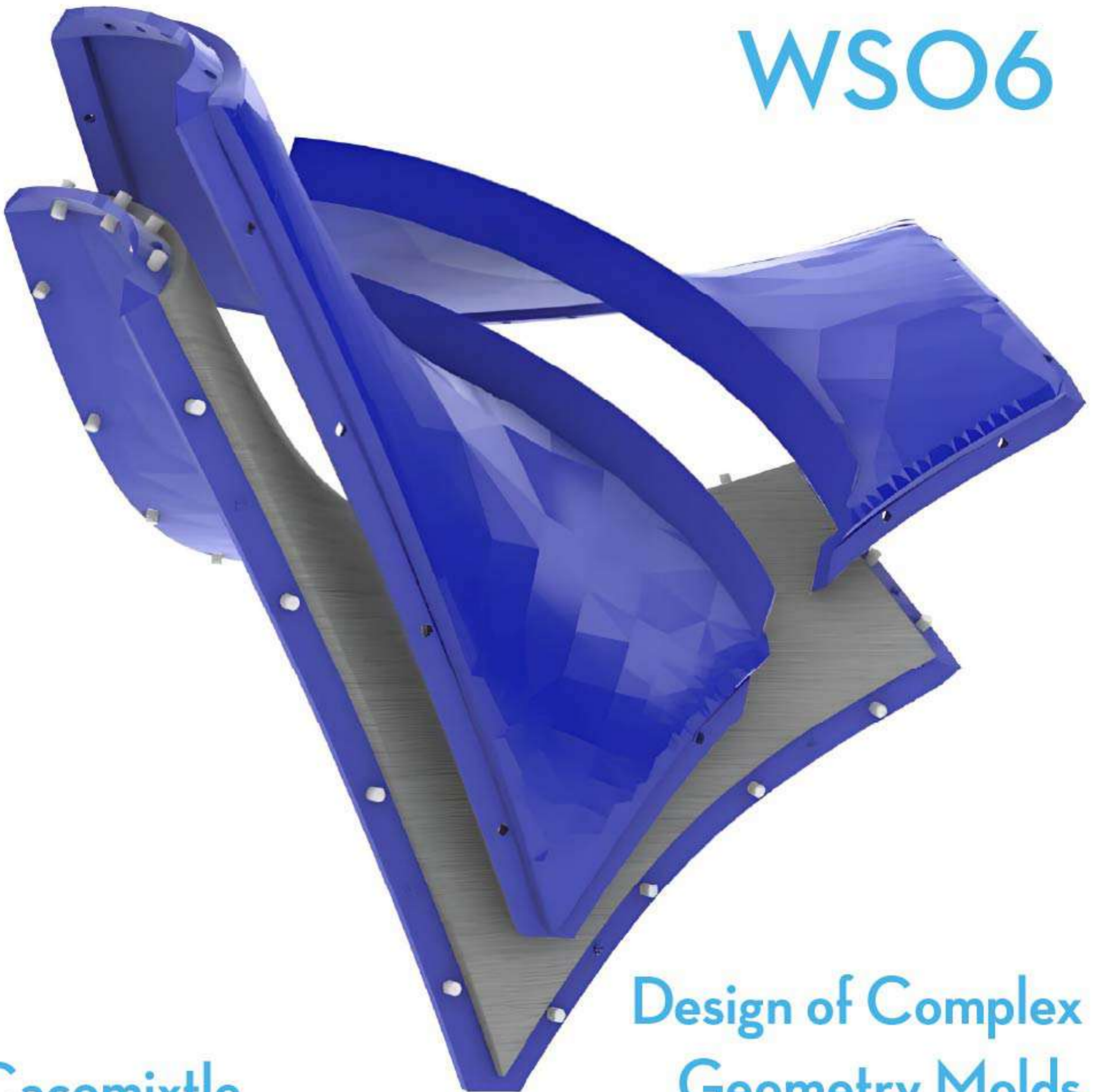
In the workshop we will explain basic principles and technical concepts to contextualize the tool and its relevance in urban-architectural buildings and structures analysis. + info online

Tutor · Edgar Zambrano | **UNAM**

Requirements · **Rhinoceros 7, basic knowledge of Grasshopper . image editing software, such as PS or GIMP.**

Capacity · **20 Participants**

WSO6



Cacomixtle

Design of Complex  
Geometry Molds

# WSO6

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.

+ info online

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**

# FAQ

- + Workshops will be held in English.
- + You don't need to be enrolled in the Symposium to take a workshop; just pay the workshop fee, and you are good to go.
- + Bring your Laptop, we won't have spare computers for participants.
- + Bring a USB drive, power adaptors (if needed), charging cables, and everything you need
- + For ensuring a good WiFi connection, we recommend an e-SIM provider such as Holafly, Nomad, Ubigi...
- + We will have coffee break and lunch for participants



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