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PROTOLAB DESIGN&BUILD  
SUMMER WORKSHOPS

FACULTY OF ARCHITECTURE  
WROCLAW UNIVERSITY OF SCIENCE AND TECHNOLOGY

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# PROTOLAB





# ABOUT US



## WHAT IS PROTOLAB?

ProtoLAB design & build workshop is an annual international event that takes place in Wrocław, Poland.

The unique character of the workshop lies in the process, where students of architecture and related studies, prepare the whole project from the first idea and sketch until the prototyping and final realisation of the design.

The workshop is divided into a one-week online design part and 8 days of onsite manufacturing process.

The biggest lesson that students take away from ProtoLAB, apart from learning how to work with material, and how to operate professional tools, is to develop their ability to work as a team, fit into an assigned role and try to solve technical problems that arise during construction on the fly.

Because such problems always arise. Often, it turns out that what was drawn in reality does not work and a new solution has to be developed. And this drives real creative technical problem-solving.



# HOW IT WORKS?



## INTRO

So are you fascinated by visualizing and creating your designs?

Or would you like to learn how to use professional building tools?

If so, then this event is just for you!

## ONLINE

The online design workshop will take place from the 8th to the 15th of July 2024. Participants will work in international groups on one of the given design tasks.

The design part will be complemented by lectures on design and production methods, material characteristics, sustainable design and much more.

## ONSITE

The production phase will take place from the 22nd to the 31st of July 2024 in an old tram depot transferred into students' activity spot Czasoprzestrzeń (eng. Timespace)

Participants will learn how to effectively and safely use professional construction tools and build structures designed during the first part of the workshop. The design and construction workshop will be led by an international team of distinguished experts in design and construction technology.





# OUR SHEDULE



## WHAT YOU CAN EXPECT?

CITY SIGHTSEEING  
TRIPS  
PARTIES  
FUN  
NEW FRIENDSHIPS  
HEAVY TOOLS & TRAINING  
LECTURES  
TEAMWORK  
DESIGN  
& COFFEE AT WUWA  
(WHAT IS WUWA? WUWA IS *WOHNUNGS-  
UND WERKRAUMAUSSTELLUNG* -  
WORKPLACE AND HOUSE EXIBITION  
FROM 1929)

## ONLINE

9 am - 12 am  
Online session with tutors

12 am - 1 pm  
Lunch break

1 pm - 2 pm  
Online lectures

2 pm - 6 pm  
Online session with tutors

## ONSITE

9 am - 1 pm  
Building session at workshop

1 pm - 2 pm  
Lunch break

2 pm - 5 pm  
Building session at workshop

& some 5 pm lectures



# PROTOLAB 2023



## EXPRESSO

Espresso is an extraordinary café that seamlessly combines a unique design with an eco-friendly approach to architecture.

Its name not only refers to the excellent coffee it serves but also emphasizes the “fast” character of the place.

Created for the needs of the Academic Culture Center and

Local Initiatives, the café is designed for the solo work of one person inside.

“Espresso” is not only a haven for coffee enthusiasts but also an attractive spot for discovering unconventional architectural solutions.



## LELEGON

The project “Lelegon” was created for the international artistic and educational festival for children Lelenfant 2023.

he construction and design of the pavilion were based on a series of workshops conducted with children from the festival.

The result was a large wooden dragon, mimicking a child’s toy,

which served during the festival as part of the stage set piece.

It acted as a brave defender of the castle in Leśnica, where the festival took place.





# PROTOLAB 2023



## CIEPŁA BENCH

The designed bench is a Combination of many ideas that the students wanted to implement. It serves not only as a place to rest or spend leisure time but perhaps also as a future venue for activities within the community centre. Its goal was to address an important social project in the city's space and an attempt to tackle design issues.

Students worked on the concept of land development for the Day Care Home at Ciepła (Eng. Warm) street in Wrocław, whose main residents are seniors. They responded to the main needs of the centre's residents and designed the space to be as friendly, functional and adapted to the elderly and people with disabilities as possible.

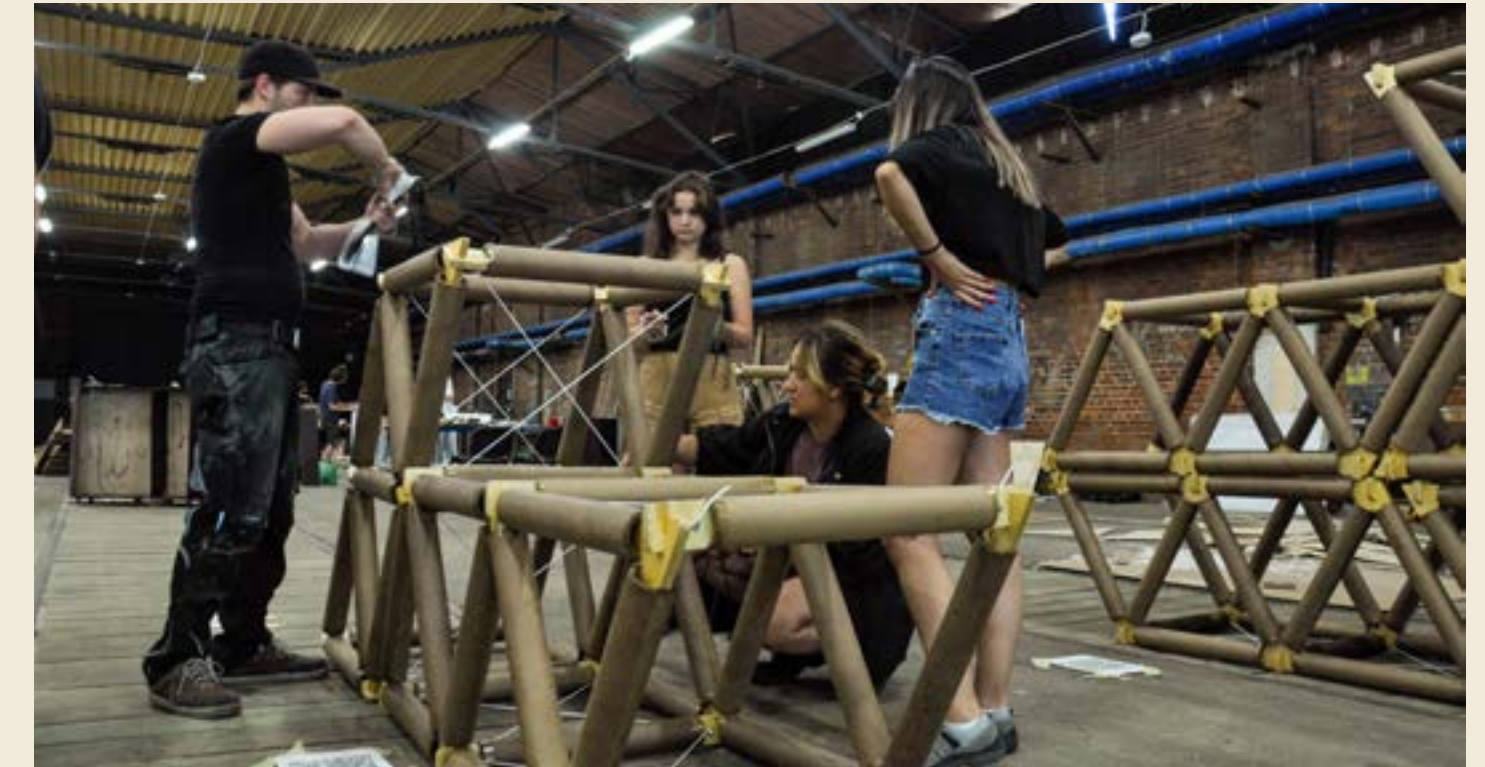


## GREEN GAYA PAVILION

The temporary outdoor expo pavilion for the 'Event for the Earth' activities, is a mobile and multifunctional structure. Its form derives from an implemented modular truss structures. With simple principles of joinery and configuration, numerous arrangements can be obtained.

A modular pavilion consisting of a number of identical components allows for a change of form for each edition of the event, adapting it to the needs of users.

The dimensions of the modules have been adjusted according to ergonomic principles, optimising their function.





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