



CRITICAL
CONCRETE

SUMMER SCHOOL 2022

August 16th - 26th

CRITICAL CONCRETE

Rua Direita de Francos 1024, 4250 Porto
criticalconcrete.com | ssa@criticalconcrete.com
Samuel: +351 934 054 596

CRITICAL CONCRETE'S SUMMER SCHOOL IS BACK!

This year's summer school is an **intensive two week workshop based in Fão (north from Porto, Portugal).**

We'll guarantee:

- Co-design
- Hands-on construction experience
- A project with social impact
- Sustainability integrated at the core of the programme



Theoretical input for the summer school comes in two forms - On-site activities and remote online learning. To kick off the programme, participants will be involved in a day of co-design with the community as they set the direction of interventions. This will be followed by discussions, debates and guest lectures on selected afternoons. Additionally, each participant will receive a voucher for one interactive online course from our Criti.co platform. We recommend **'Insurgent Urbanism: From Activism to Public Policies'** or **'Ethnography for Local Engagement'** to dive into working in the urban realm but all of our catalogue is open to you.



Public space interventions seem temporary too often; involving lots of materials that last for a season before being trashed. Critical Concrete challenges this by proposing structures in public spaces that are strong, durable, sustainable and transformative. This summer school aims to fill the gap in architectural education (and even profession) between the designer, materials and community. This is your opportunity to gain valuable hands-on experience by thinking through making, in the design/build tradition, while networking with other like-minded people and exchanging skills and knowledge.

Participants will be collaborating towards a shared built goal and rotate through a series of hands-on tasks, including:

- Building tyre foundations - reusing tyres that would otherwise end in landfill or be incinerated;
- Processing and cutting timber using precise, minimal cuts to maximise the usable lengths;
- Treating wood with a range of natural protections made live on site.

The beauty of the structural language that we have already created is the open framework for your creativity- Design decisions will be made democratically as they arise during construction.



PROGRAMME

SUMMER SCHOOL GOALS

- Design a structure that meets the needs of local residents in the neighbourhood - We aim to activate this space by providing meaningful, useful structures that can be adapted to the needs of the community.
- Develop high quality furnitures and other interventions while maximizing resources like a small budget and time restrictions.
- Welcome a team of enthusiastic, inspiring individuals looking to get hands-on and delve into discussions of sustainability, conscious living, participatory design and more.
- Provide project and site management experience along with team-working including different types of leadership skills.
- Offer the students a supportive network for their future project and their promotion, opening new professional perspectives.

WHO IS THE SUMMER SCHOOL FOR?

The workshop is open to students, graduates and any professional. Whilst participants might study or work in Architecture, Design, Landscape, Planning and Engineering we are open to all backgrounds. Students from abroad are welcome, the official language of the activities will be in English.



WHAT YOU WILL LEARN AND WHAT YOU WILL DO:

- Co-design with participants and the community the arrangement and function of structures.
- Process wood from trunk to board, learning how to minimise waste with non-parallel cuts.
- Construct tyre foundations - made with recycled tyres - that will last forever
- On site carpentry for timber structures using both power tools and hand tools.
- Apply natural methods for wood protection.
- Knowledge on tool and site safety - How to operate power tools in the correct way that is safe for you and the people around you.



KEY INFORMATION

 **Dates: 16th - 26th August**

 **Location: Largo da Abarrosa, Fão**

 **Working hours: 10am - 6pm**
with 1 hour for lunch

 **Evening activities: from 6:30pm**

PRICING

The total price for this summer school is **800€**.
Please review the following payment options for discounts.

	PAYMENT OPTION 1: One instalment	PAYMENT OPTION 2: Two instalments
Early bird (before July 31st)	760€ - 5% discount	780€ - 2.5% discount Instalment 1: 180€ Instalment 2: 600€ (Due August 15th)
Regular (from August 1st)	780€ - 2.5% discount	800€ - no discount Instalment 1: 200€ Instalment 2: 600€ (Due August 15th)

Payment details

- Accepted methods: Bank transfer/ Pay Pal/ MBWay/ Wise
- Reference: [Your Name] Summer School
- Send confirmation of payment via email.

What is included?

- All construction materials and tools
- Detailed instruction and guidance from mentors
- Delicious and nutritious daily vegan lunch on site
- Voucher for 1 Criti.co course

What is NOT included

- Transportation to and from the construction site
- Accommodation for the duration of the workshop

ENROLMENT

APPLY NOW by filling out our [Online Registration Form](#). We'll be in touch with you shortly after with the next steps to secure your spot.

SUSTAINABILITY ON SITE

Sustainability is at the heart of all of the activities of Critical Concrete. We strive to be conscious and critical about our activities and their impact. We have a preference for re-using materials where possible, prioritising natural materials that are responsibly sourced and minimising construction waste.

Another big way that we strive for sustainability is through conscious eating. Critical Concrete is a vegan organisation which means we don't consume animal products at our production centre and during our projects. We kindly ask you to respect this when you join our team for a workshop. We are always happy to talk about it and the ways in which we can live as sustainably as possible.

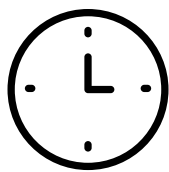


PROGRAMME DETAILS

Please be mindful the programme may be subject to last minute changes due to weather or surprises out of our control. Don't worry, we'll keep you informed!

Day	Student Activities	Additional activities
Tue 16th	Co-design <ul style="list-style-type: none">- Introduce the space and requirements- Introduce design language and abaco- Structured design session focusing on the need of the community	Welcome drinks
Wed 17th	Tyre foundations <ul style="list-style-type: none">- Mark out locations- Remove cobblestones and excavate Wood preparation <ul style="list-style-type: none">- 'Ripping' boards and cutting to usable lengths- Favouring non-parallel cuts to minimise waste Tricoil workshop <ul style="list-style-type: none">- Our special recipe for wood protection oil	
Thurs 18th	Primary Structure <ul style="list-style-type: none">- Cut and secure primary beams to tyre foundations using mechanical fixings Wood preparation <ul style="list-style-type: none">- Cutting and oiling boards and beams	International Dinner
Fri 19th	Primary Structure Wood Preparation	Community open day?
WEEKEND - Free time to do as you wish - We have lots of suggestions for places to explore		
Mon 22nd	Secondary structure <ul style="list-style-type: none">- Moving up in height with the help of trusses and posts Swedish paint Workshop <ul style="list-style-type: none">- Low-tech, sustainable paint making	
Tue 23rd	Secondary structure Sanding and oiling Laying boards <ul style="list-style-type: none">- We want to lay boards with as minimal waste as possible- This can be a fun puzzle to solve	Sustainable living discussion
Wed 24th	Boards and painting <ul style="list-style-type: none">- Swedish paint gives the finishing touches to the design as well as an additional layer of protection.	Film night
Thurs 25th	Planting action <ul style="list-style-type: none">- Revitalise the space with new planting beds focused on native plant species.	
Fri 26th	Finishing touches to structures and other interventions Whole group reflection <ul style="list-style-type: none">- Lessons learned and challenges overcame	Closing celebration

DAILY SCHEDULE



Work will start on site every day at 9:30am and we leave site every day at 6pm, being on time is crucial! (unless otherwise stated)

This project has many components and stretches over a large area. We want to be completing full working days in order to achieve the desired programme. Here's a general daily overview:

09.30

●

Arrive to site with your work clothes on.
Remember to bring your water bottle, Tupperware & safety gear!

10.00

●

Work starts!

13.00

●

Lunch begins! Yumm...

14.00

●

Resume working on projects

17.00

●

Time to tidy the site, pack up tools and clean

18.00

●

End of a productive day!
Rest up and see you tomorrow at 09.30

18.00+

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After-hours Activities (refer to weekly schedules)

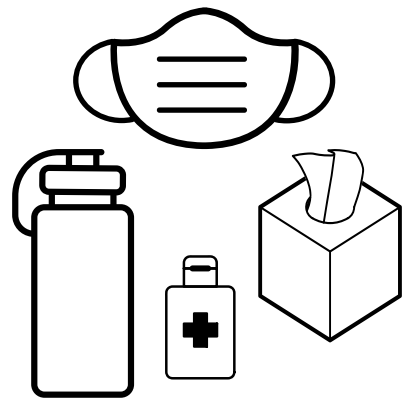
TRAVEL

COVID PROTOCOLS

We'll be following Portuguese regulations regarding COVID. At this time, most restrictions have been lifted. However, wearing masks in public transportation, taxis, and ridesharing cars is obligatory.

Please find updates on the COVID19 situation in Portugal here: covid19estamoson.gov.pt

THINGS TO BRING WITH YOU



- Masks (change them everyday)
- Hand sanitizer (we will have some but it is best if you have your own),
- Tupperware
- Reusable water bottle
- Health Insurance
- Tetanus Vaccination



ACCOMMODATION

It is the responsibility of participants to organise their accommodation and transportation to and from site every day. We highly recommend staying in Fao or its surroundings to avoid long/complicated commutes. Here's a list of places we suggest to look into:

- [Inn Esposende: Sports Hostel](#)
- [Hostel Eleven \(Esposende\)](#)
- [Guest House: Best Villas Park Ofir](#): 5 people capacity
- [Guest house: Casa Do Arantes](#): 5-10 capacity
- [Fao Campsite](#):
- [Youth Hostel](#):
- [Spot Hostel](#):
- [Apartments](#):



LOCATION

FÃO (WORK SITE)



ADDRESS OF THE SPACE'S INTERVENTION

Largo da Abarrosa, Fão

HOW TO GET HERE ?

It is the responsibility of participants to organise their transportation to and from their place of residence (if abroad) and to site every day. If you are not arriving by car, you'll most likely have to do a combination of Metro + Taxi/rideshare/ bike.

WORK SITE

Metro: The closest metro stop is Pova de Varzim on line B. It takes roughly 55 minutes from Trindade station (Porto) or 45 minutes from Porto Airport.

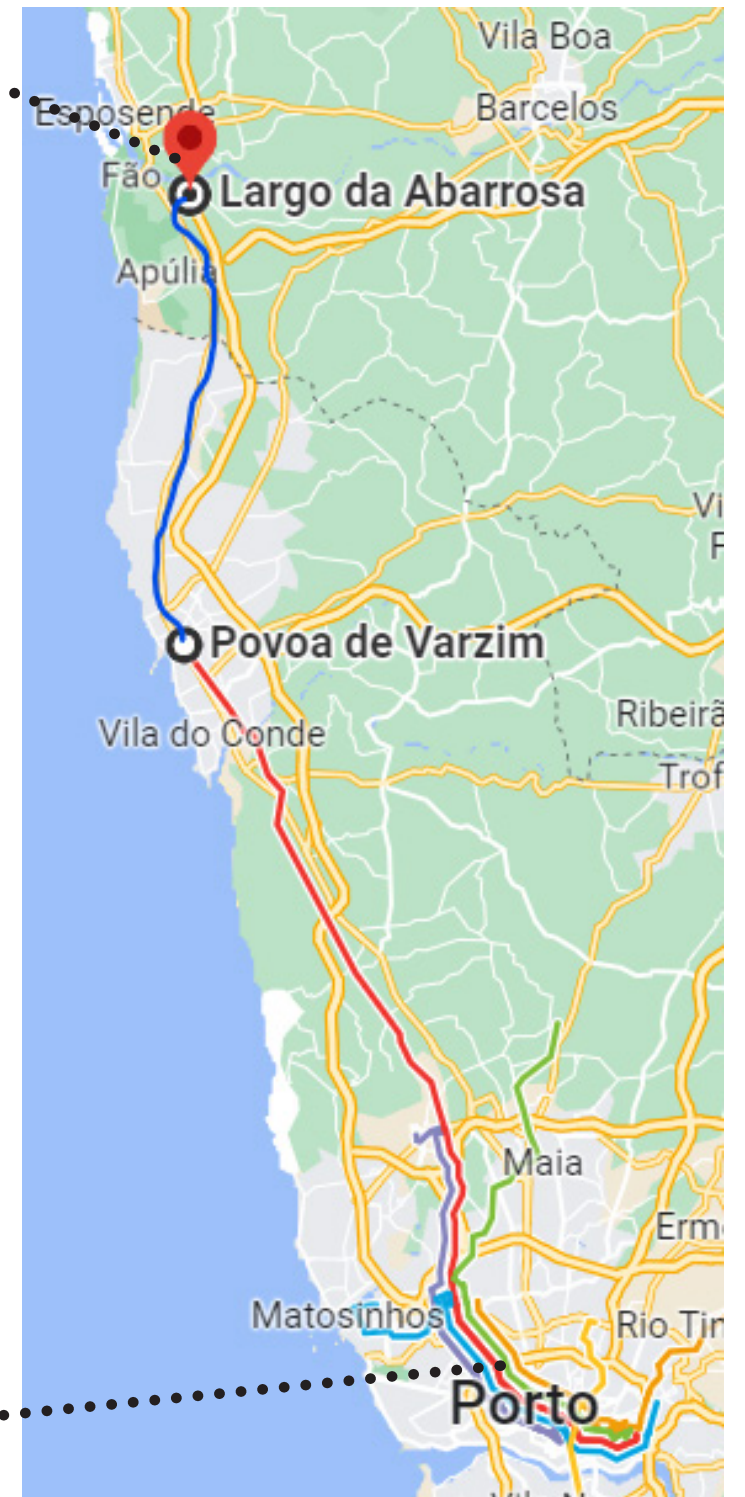
Bus: You can take a bus from Campo 24 de Agosto to Esposende Bus Terminal and take a taxi/rideshare to Fao.

Taxi: Taxi companies from either Esposende or Pova de Varzim:

<https://www.taxisesposende.pt/>

<https://taxis-pova-de-varzim.business.site/>

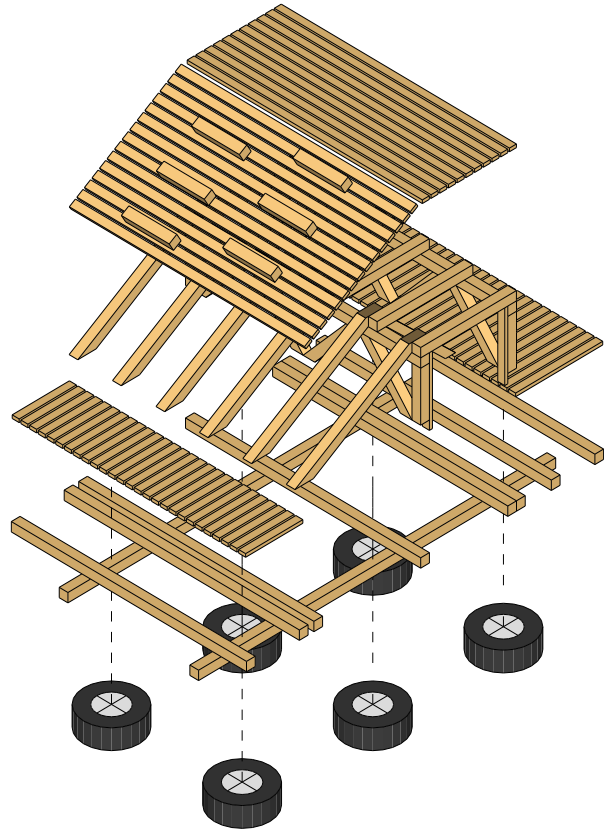
Ride sharing: Uber and Bolt may also be operating in the area.



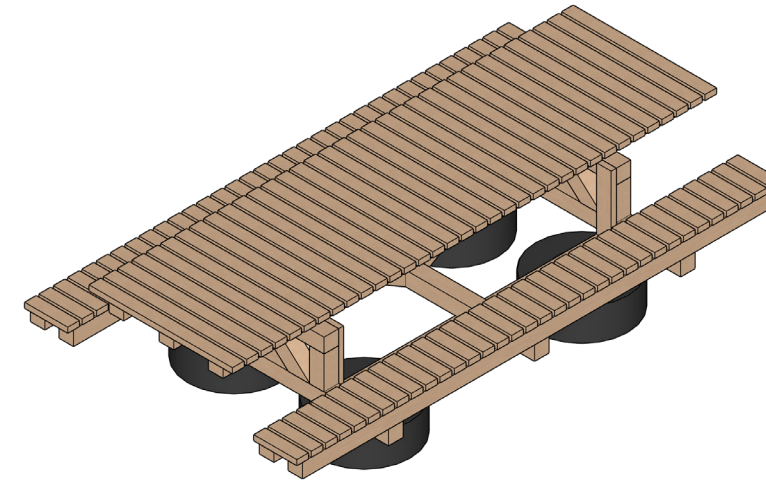
DESIGN LANGUAGE

The CC Design Team has been busy creating a design language for you to apply on site. This means working out all of the structural issues ahead of time so that you can get building as soon as possible. The first day of the workshop will be for co-design to decide on final structures.

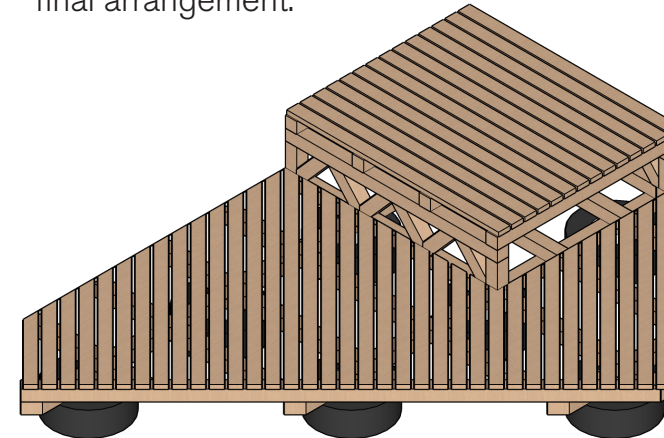
TYRE FOUNDATIONS



To avoid the waste of these elements, -which are normally burnt to litter- , we are using tyres as foundations to protect the timber from capillarity. Tyres may also be used as design components, bolting them by the sides -as the middle ring contains metal wires-, although their thermal qualities must be considered.

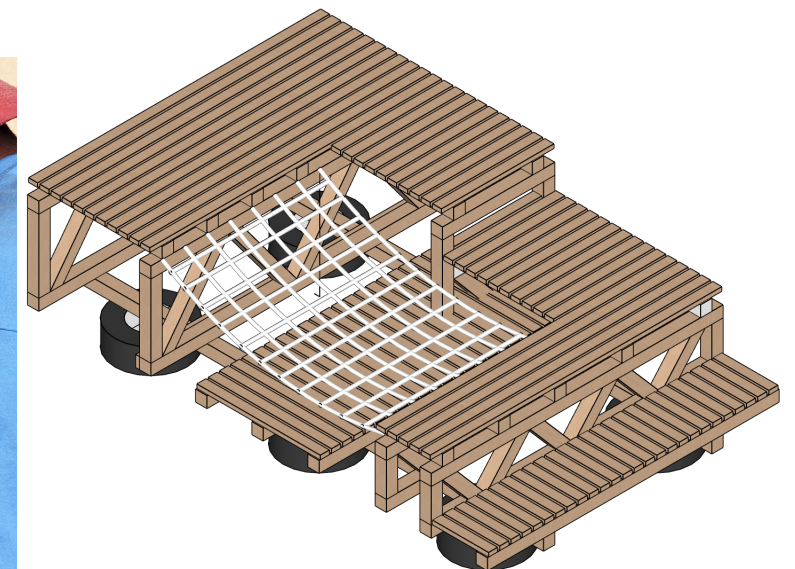


We are creating a design guide to explain this structural system and how it can be applied - With guidance from the team, it will be over to you to design the final arrangement.



TIMBER

The wooden elements will be joined together with bolts. To ensure our structure is both sound and light, the bracing comprises of a truss system, guaranteeing full safety.





ENROL NOW!