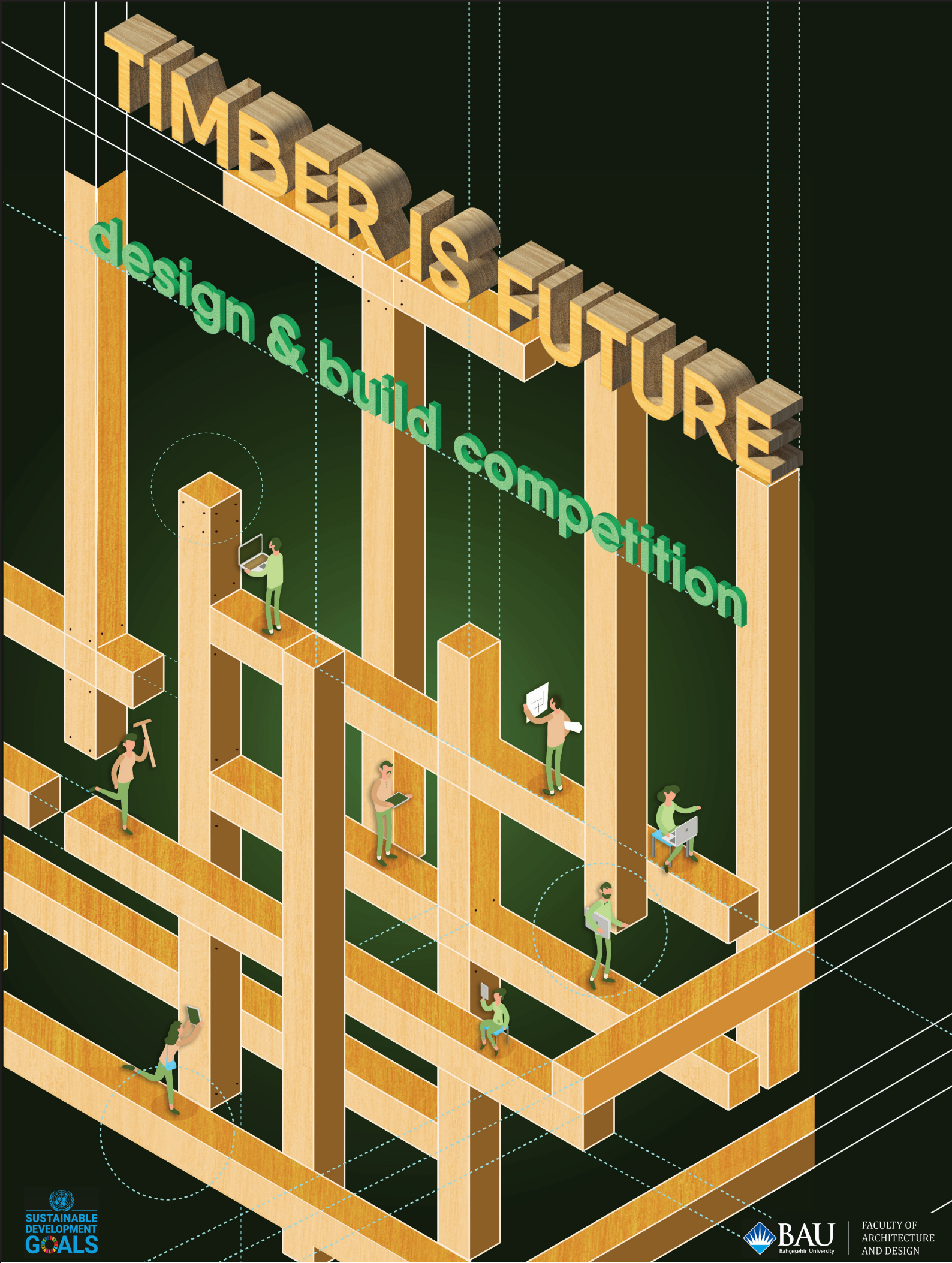


TIMBER IS THE FUTURE

design & build competition



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FACULTY OF ARCHITECTURE AND DESIGN

TIMBER IS FUTURE

DESIGN & BUILD STUDENT COMPETITION

The “TIMBER IS FUTURE: Design&Build Student Competition” invites BAU Architecture and Design Faculty students to design innovative and functional life-sized structures in the North Campus by **upcycling** used timber elements.

Design plays a crucial role in shaping our environments. This competition challenges BAU students to combine functionality with creativity, demonstrating how sustainable practices can be integrated into everyday life. It emphasizes **sustainable design** and the **upcycling of materials**, encouraging students to explore innovative ways to repurpose existing timber into new functions. This initiative aims to open space for young designers’ contributions and ideas within the campus area while also exploring the endless possibilities of working with wood.

Join us in this exciting journey to reimagine timber and create unique, sustainable, and functional structures within our university!



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01 COMPETITION CONTENT

This competition aims to raise awareness and consciousness about the creative potential of timber as a material and the role it can play in the world of future. This competition invites students to investigate the potential and advantages of **wood as a construction material**. Participants will gain insights into the material's limitations and versatility, appreciating its adaptability to various functions through the design of given elements.

WHY UPCYCLE? Upcycling is a process that includes creative reuse by adding value of waste to a higher quality product, such as the transformation of used wood into furniture, artistic objects or architectural elements. One of the ways to **reduce our impact on the planet** is to consume responsibly and consider that all materials can be transformed into something useful again following a circular ecological system. Among all other building materials wood is the **most convenient** and **versatile** element for upcycling.

PROGRAM. Participants may propose structures for the following functions or combine any of them in regard to the site selected and program offered:

- *Resting-relaxing-socializing*
- *Exhibition*
- *Performance*

The proposed design may also incorporate **modularity and be installed** in one of the designated open-air locations on the campus. The design may also comprise several modules, allowing for use in different positions, quantities, and functions, and distributed across multiple locations.

USERS. Students, staff, visitors, cats or plants

CAPACITY. The structure may be used individually or collectively, depending on the proposed functions and activities.

SIZE. Dimensions of the structures will vary according to the selected location and function. However, it should not exceed **10 m²** and **2,5 m** height in the overall.

STRUCTURAL SYSTEM. It should be self-standing, and **not fixed to any wall or ground surface**. It should also be safe and robust, even if flexible components are proposed.

MATERIALS. The **Hasslacher Norica Timber Stand**, which was previously used in the TurkeyBuild İstanbul Fair, will be given to the students as decomposed, and the general features and dimensions of the units will be shared. The Hasslacher Stand currently covers an area of **4mx7m = 28 m²** and **h:5m**. Additional fixtures will be provided.

02 EVALUATION CRITERIA

- Conceptual and programmatic **response to site and context** in reference to the theme
- **Efficient use of material**, with respect to its character and concern for the environment
- **Robustness and safety**
- **Originality and innovation**
- **Design applicability and ease of production**
- Environmental, Material, Experiential, and Aesthetic and Contextual cues for a responsible design product
Implementation of the **design considerations** in the presentation posters
- Design delivery and presentation with **appropriate graphics, scale of drawings, physical model and visual communication with technical information**

03 PARTICIPATION CONDITIONS & ELIGIBILITY

- **Who Can Participate?** The competition is open to **2nd, 3rd and 4th** year students studying in **The Department of Architecture, Department of Interior**

Architecture and Environmental Design and Department of Industrial Design at BAU Faculty of Architecture and Design.

- **Individual or Team Entries:** Participate individually or in teams of a **maximum of 5 members**. Teams can be interdisciplinary, and such collaborations are highly encouraged.
- **Application Document:** Complete the Competition Application Document (Registration Form) available on <https://forms.gle/M7DTebBdd2atoXMP6>
- **Mandatory Workshop:** All students or teams participating in the competition must attend the **workshop and seminar** to be organized. Projects of students who do not participate in the seminar and workshop **will not be accepted**.
- **Communication Guidelines:** No participants may have direct contact with the jury committee and rapporteurs during the competition calendar. All questions about the competition should be **sent to timberisfuture@gmail.com** e-mail address until **28 October 2024 at 17:00**. Questions and answers will be published on the web address **www.xxxxxxxx.com** on **01 November 2024**.
- Students **are not allowed to ask questions** to the organizing committee and lecturers, except during the **question and answer periods** and on the day of the seminar.

Project Requirements:

- **Originality:** Projects participating in the competition **must be original**. Projects must not have been published elsewhere before, must not have participated in another competition, and must not have been produced within the scope of the project studios. If found otherwise, the project will be **disqualified**.
- **References:** If using images and texts from other sources, proper references must be cited.

- **Material Usage:** Designs must incorporate the provided timber material with appropriate detailing of connections. Non-structural/secondary materials such as textile, membrane may be used in moderate scale and amount.
- In order to fully comply with the competition principles, each student who will participate in the competition **must read** the specifications carefully.

Disqualification Conditions:

- **Direct contact** with the jury committee and rapporteurs.
- If the **submitted project is not original**, has been previously published elsewhere, participated in another competition, or was produced within a project studio/workshop; or if it is a **copy** of an existing project or images of an existing project that have been created, printed, displayed, or published.
- If any information that could **reveal the identity of the participant**, such as name-surname, or school id, is written on the project visuals or design documents.
- If the required documents from the participants are **uploaded to the system incorrectly or incompletely**, or if they are uploaded after the project submission deadline specified in the competition calendar.
- If **different representations** of the drawings in the competition posters are uploaded to another digital interface and **directed via QR code**.

In such cases, the applications of participating students will not be evaluated by the jury and will be disqualified by the rapporteurs, documented with a report.

Submission Deadlines:

Digital Posters: Submit posters to the related competition folder in Itslearning by 17:00 on Friday, December 06, 2024.

Physical Models: Submit models to the 8th-floor meeting room with team member signatures by 17:00 on the same day.

By participating in this competition, students agree to all terms and conditions specified.

04 COMPETITION CALENDAR

October 08, 2024 Tuesday: Announcement of the competition

October 19, 2024 Saturday: Seminar and workshop

October 28, 2024 Monday: Deadline for submitting questions, until 17:00

November 01, 2024 Friday: Release of answers to submitted questions

December 06, 2024 Wednesday: Project submission deadline

December 10, 2024 Tuesday: Jury evaluation

To be announced on the website:

Announcement of the competition results and colloquium

05 SEMINAR AND WORKSHOP

Seminar and Workshop:

As part of the first week of the competition, join us **on Saturday, October 19**, for a seminar and workshop designed to deepen your understanding of the wooden material provided and inspire creative, effective uses.

Event Highlights:

Timber is a Construction Material: Demet Sürücü, a Timber Specialist and Forest Industry Engineer (MSc), will deliver an in-depth presentation on timber structures, applications, sustainability, and functionality.

Design Criteria of Timber Structures: Ömer Asım Şişman, a Civil Engineer (MSc), will provide essential information on basic timber statics and connections. Learn the fundamentals to enhance the structural integrity of your design.

Designing for Future: Architect Özgül Öztürk; will talk on designing with nature for the future, using architecture as a tool of sustainability and sustainable development

In the upcoming workshop, participants will have the chance to refine their design concepts, explore the processing and integration of timber materials, and develop innovative approaches in the design process.

Important Note - Mandatory Attendance:

Attendance at the seminar and workshop is compulsory for all participants. Projects submitted by those who do not attend will not be accepted.

06 DOCUMENTS TO BE GIVEN TO PARTICIPANTS

Competition Brief

Timber Material Details: A comprehensive table detailing the **quantity, dimensions, and properties of the provided timber elements is also available on the website.** This will help you plan and design your project effectively.

Designated Areas

A1 Poster Layout

07 SUBMISSION FORMAT

- **A1 Posters:** Each project should be presented in two A1 posters with the layout shared with the "Competition Documents".
- **Technical Drawing Requirements:** A plan and section drawing in 1:20, scaled detail drawings clearly showing major connections in 1:10.
- **Physical Model:** Create a 1/20 scale physical model of your project, including the surrounding context. Your model should clearly express the main design decisions, including the planned location, and illustrate the application and connection details of the timber material as expected.

- **Project Description:** At the bottom of the posters, include a **200-word text in English**, explaining the main decisions and approach of your project. This description should be included on only one of the posters.
- **Representation Technique:** There are no restrictions on presentation techniques. You may use **digital methods, hand-production, or a combination of both**. If you use AI based softwares, please provide references to the media you used.
- **Nickname Requirement:** Each participant must choose a nickname consisting of **5 numbers**. This nickname should be written in a box in the lower right corner of the poster(s) (refer to the poster format). **No names, numbers, or identifying content should appear on the posters apart from this.**

Follow these guidelines to ensure your project is presented clearly and professionally.

Good luck!

08 JURY

Ahmet TOPBAŞ (Founder of ATTEC Company, Civil Engineer)

Boğaçhan DÜNDARALP (Founder of DDRLP Architecture, Architect)

Doğaç Toy (Interior Architect & Environmental Designer at PBD)

Murat DÜNDAR (Prof. Dr., Dean of BAU Faculty of Architecture and Design)

Nusret Uşun (Architect at Teğet Architectural Office)

Özgül Öztürk (Founder Architect of Döngüsel Tasarım)

Rapporteurs:

Ayşe Eda ADIGÜZEL (Res. Assit., BAU, Architecture)

Beril GÖK (Res. Assit., BAU, Interior Architecture and Environmental Design)

Handan TEMELTAŞ (Assist. Prof., BAU, Industrial Design)

09 AWARDS (total 65.000 TL)

1st Place: 30,000 TL (by Alba A.Ş.) +
The winning project will be implemented.

2nd Place: 20,000 TL (by Hemel A.Ş.)

3rd Place: 15,000 TL (by RothoBlaas)

Additional Information:

Participation Certificates: All competitors who submit a project will be given a Participation Certificate.

Timbertech provides an engineering software as an award sponsor for the structural analysis and design with timber. Licence validity is for 5 years: 2024–31.12.2029

10 SPONSORSHIPS

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ALBA A.Ş.

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ROTHOBLAAS TÜRKİYE

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PBD

KAVLAK AHŞAP

11. ORGANIZERS

BAU Faculty of Architecture & Design

BAU Timber Buildings Construction & Research Center

12. ORGANIZING TEAM

Demet Sürücü

Göksun Akyürek Altürk

Pınar Şahin

Zeynep Gül Söhmen Tunay

Ayşe Eda Adıgüzel

