



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



Selection notice for the allocation of

6 scholarships for participation in:

DIGITAL 3D CULTURAL HERITAGE 2024. Exploring 3D- Modelling in Education, Documentation and Dissemination

4-11 September 2024,

Porto, Portugal

The Department of Architecture of University of Bologna announces a competition aimed at students of the course of Architecture for participation in the **International Workshop on Digital 3D Cultural Heritage 2024**, which will take place **from September 4th to 11th, 2024** at the **Faculdade de Arquitectura Universidade do Porto (PT)**.

The International Workshop is part of the Erasmus+ project "CoVHer: Computer-based Visualization of Architectural Cultural Heritage" coordinated by the University of Bologna (IT) partnered with the Hochschule Mainz – University of Applied Sciences (DE), Faculdade de Arquitectura Universidade do Porto (PT), Politechnika Warszawska (PL), Universitat Autònoma de Barcelona (ES), as well as La Tempesta: City, culture & technology (ES), Interessengemeinschaft für Semantische Datenverarbeitung E.V. (DE).

The Registration for this Competition is free, and no participation fees are required for the students attending the International Workshop.

Travel and accommodation expenses for the winning students will be supported by EU Erasmus+ program.

I. Purpose

To offer a group of meritorious students with a strong inclination towards 3D modeling, digital 3D reconstruction and visualization, and cultural subjects in general, the opportunity to confront with the topic in an international context. The Workshop will be organised by the Faculdade de Arquitectura Universidade do Porto (PT), in



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collaboration with colleagues and external experts in the field. Participants in the intensive course will be able to directly engage with the topic of cultural heritage 3D reconstruction, following advanced strategies and successful case studies that will foster the standardization in documentation and publication as well as further application of the 3D data sets. The highly international nature of the international Workshop also guarantees extensive cultural exchange and broader perspectives, fostering international cooperation and mobility, in line with the educational objectives of the Erasmus+ program.

II. Recipients of the Call

Regarding the candidates from Italy: only students who have successfully passed the LABORATORIO DI DISEGNO DELL'ARCHITETTURA (C.I.) exam is eligible to participate in this call.

III. Selection Criteria

A committee composed of Prof. F. I. Apollonio, Prof. F. Fallavollita, and Prof. R. Foschi will carry out the selection of the candidates from Italy. The committee will evaluate the following criteria for the preparation of the ranking:

- Language requirements: Candidates must demonstrate a **minimum B2** level of proficiency in the English language. In the absence of an official document attesting the candidate's language level, the committee will conduct interviews to assess the minimum level.
- Motivation: Candidates must express their interest in the field of cultural heritage conservation and their desire to participate in the Workshop through a motivational letter (max. 200 words, format PDF), the letter can be in Italian or English.
- One representative image of the 3D model created in course “LABORATORIO DI DISEGNO DELL'ARCHITETTURA (C.I.)” (required resolution 1920×1080 pixels, 16:9 aspect ratio).
- List of exams taken: Candidates must attach a certification (or signed self-declaration) stating their overall academic average throughout their university studies in the Architecture degree program. In particular, the grade of the “LABORATORIO DI DISEGNO DELL'ARCHITETTURA (C.I.)”.



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IV. Winner of this call

The top 6 students on the ranking list prepared by the committee will be entitled to participate in the Workshop. In case of withdrawal, the candidates ranked fifth and onwards will be contacted until the expected number of 6 participants is reached.

V. International Workshop objectives

- To delve into the topic of hypothetical digital 3D reconstruction within the European context
- To introduce new standard methods and approaches to cultural heritage reconstruction as an explorative research and dissemination tool.
- To experiment through design workshops and exercises, providing a hands-on practical approach to the subject in form of further application of the digital 3D models (Augmented Reality/Virtual Reality and Rapid Prototyping/3D printing)
- To offer opportunities for interaction with prominent figures in the field of cultural digital 3D heritage at international level.
- To provide opportunities for cultural and multidisciplinary exchange in an international environment.

VI. Modes of carrying out activities

i. Pre-course with few remote meetings, planned in the beginning of July until second half of August, with instructions on:

- Remote reading of preparatory material provided by the organizers.
- Preparation of a short presentation on the topic and methodology and the results created during the course “LABORATORIO DI DISEGNO DELL'ARCHITETTURA (C.I.)”
- Web-based documentation and publication of the 3D model
- Verification that the models created during the course “LABORATORIO DI DISEGNO DELL'ARCHITETTURA (C.I.)” are suitable for Augmented Reality and Rapid Prototyping applications.



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ii. **During (Porto, 04.09.2024-11.09.2024):**

- Theoretical lectures / presentations on "best practices"
- On-site investigations and discussions
- Practical classes / exploring 3D data exchange formats.
- Discussion on Handbook (preliminary version).
- Correction of the data set in the online 3D Repository and online Documentation Platform.
- Preparation of 3D derivatives in multiple output formats (AR/VR and 3D printing)
- Excursion/site seeing.
- Social Events in Porto.

iii. **Post-course:**

- Workshop participants have to complete the assigned work once they return home to prepare the “camera-ready” material for an access and re-use, e.g. Creative Industries, education, etc.
- Documentation of the work/experience in a Workshop-Booklet (template will be delivered/designed during the Workshop in Porto)

VII. Contents

- Hypothetical architectural and archaeological reconstruction
- Standardisation and good practices for the Digital 3D Reconstruction
- Documentation, publication, and dissemination of Digital 3D Heritage

VIII. Participation modalities in the selection process.

The application for registration (Annex to this call), filled out in its entirety and signed, must be accompanied by:

1. Signed photocopy of a valid identification document of the applicant
2. Self-declaration or certificate of Language requirements: Candidates must demonstrate a minimum B2 level of proficiency in the English language.



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3. Motivational letter (English or Italian) containing a self-presentation and a description of the personal motivations (200-350 words).
4. One representative image of the 3D model created in course “LABORATORIO DI DISEGNO DELL'ARCHITETTURA (C.I.)” (resolution 1920×1080 pixels, 16:9 aspect ratio).
5. Enrolment certificate with exams, dates, and grades related to the entire course of study, which can be printed in the form of a self-certification on the Student Online portal of the University of Bologna.

All the listed documents with the Application Form must be submitted via email to covher.workshop@gmail.com (subject line: Porto Workshop) by **3th June 2024, at 11:59PM (midnight)**.

The date and time of email receipt will be considered valid. The application for participation, complete with all its attachments, must be submitted in a single submission. Candidates are reminded that the priority in submitting the application does not constitute a score and does not influence the ranking process in any way. Applications and/or digital documents received after the aforementioned deadline will not be considered. Incomplete applications or those containing documentation that does not comply with the specifications in this call will not be considered. Hand-delivered applications will not be accepted. The submitted materials will not be returned. No confirmation of receipt of the application and attachments, or confirmation of the compliance of the submitted materials, will be sent.

IX. Ranking Publication

The ranking of the top 6 students, valid for admission to the International Workshop, will be **published by 15th June 2024 on the CoVHer website (<https://covher.eu/>)**, along with instructions for completing the registration. The winners will also receive communication via email. The ranking for positions beyond the sixth will not be published, unless there are withdrawals that require a revision of the participants' names. However, it will still be possible to request via email, using the same address to which the application was sent, one's position in the ranking.



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X. Participants' duties

During the training period, each student is required to:

- actively participate in all proposed activities.
- comply with the indicated safety and behavioural rules.

XI. Titles/Credits

At the end of the Workshop on Digital 3D Cultural Heritage, a certificate of participation will be issued. Please note that a request has been submitted to the Department of Architecture for the recognition of ECTS credits for each participant of the International Workshop on 3D Digital Reconstruction.

XII. Insurance and costs

There are no registration fees for participating in the University of Bologna.

- Travel costs are covered by the Erasmus+ EU Programme
- Accommodation and travel up to 700 euro are covered by Erasmus+ EU Programme