

4th International Congress on Luso-Brazilian Construction History

4th to 7th of September 2023 | Guimarães, University of Minho, Portugal

MOTIVATION

The previous congresses in the series of International Congresses on Luso-Brazilian Construction History (CIHCLB) took place in Vitória, Espírito Santo (Brazil) in 2013, Porto (Portugal) in 2016, and Salvador, Bahia (Brazil) in 2019. After the constraints of recent years associated with the pandemic, it is time to resume the normality of international, technical and scientific cooperation, therefore the next congress will be held in Guimarães in 2023.

The present congress intends to constitute a forum for the debate of the most recent studies on the history of construction processes, between Portugal and Brazil, in their multiple influences that pass also through Europe, Asia and Africa. In this context, understanding the building methods in a given place and in a given historical period – with which materials, techniques, machines and types of work organization – implies the contributions of various disciplines. In this context, it is meant to refer particularly to Architecture, Archeology and Engineering, but also to Economic and Social History, the History of Science and Construction Techniques, Physical Geography, Conservation and Restoration, Materials Science and many other disciplines.

The special theme of the congress, “**CHANGING ENVIRONMENTS**”, on the one hand aims to discuss, from a historical point of view and at different times, the great changes that resulted, for example, from the development of new materials and construction systems, new production or organizational systems, changes in legal frameworks, or the impacts of transpositions to new territories, or major catastrophes. On the other hand, it also reflects the enormous current and past challenges, which include, namely, the impact of the pandemic on research and education, climate change, the resilience of the built environment and highly complex systems, or the need to ensure a living heritage, in which the built heritage, in its material and immaterial aspects, and the sharing of constructive cultures have an essential contribution to support recovery and an inclusive society.

The congress has as main stakeholders architects, engineers, archaeologists, conservators/restorers, historians, sociologists, economists and others interested in the subject of the history of construction, whether as professionals, researchers or students. The objective is for the congress to become a place of excellence for the dissemination of the latest scientific and technical developments and for the exchange of new ideas on emerging topics.

GUIMARÃES, PORTO AND THE DOURO REGION

The city of Guimarães is located in the northwest of Portugal, 40 minutes from Porto international airport. It is one of the most important historic cities in the country, having been declared a World Heritage Site in 2001 by UNESCO. Its many monuments and impressive historic center are associated with a past in which the city played a fundamental role in Portuguese history as the cradle of the nation.

The center of Porto was also declared a UNESCO World Heritage Site in 1996. With its winemaking tradition, magnificent Baroque architecture, distinctive local cuisine and stunning scenery, this city has an abundance of culture. Porto has been awarded the Best Destination in Europe for four consecutive years, since 2017.

The Douro Valley is a region located in the North of Portugal, where the production of Port Wine and the unique scenery carved by the Douro River is one of the most breathtaking landscapes in Portugal. In addition to wine, this region is also known for its high-quality olive oil and almond trees, which fill the valley with colour.

VENUE AND WORKING LANGUAGE

The congress will take place in the Campus of Azurém, University of Minho, Guimarães, Portugal. The University of Minho Campus is located next to the Castle of the first king of Portugal and it is about a 20-minute walk from the historic center of the city. The campus is located on a hillside, integrated into nature and has excellent conference facilities. The working languages of the congress will be Portuguese, Spanish and English.

TOPICS

MATERIALS AND CONSTRUCTION TECHNIQUES

- . Raw materials, processing and application
- . Pre-industrial construction (stone, ceramic materials, wood, earth, iron and others)
- . Industrial construction (steel, concrete, glass, new materials and others)
- . Built environment, city and territory
- . Public works (bridges, roads and hydraulic works)
- . Military works
- . Anti-seismic construction

ORGANIZATION OF CONSTRUCTION ACTIVITY AND SOCIETY

- . Machines, equipment and utensils
- . Organization of shipyards
- . Construction professionals and craftsmen
- . Economics and construction law

DISSEMINATION OF SCIENTIFIC AND TECHNICAL KNOWLEDGE

- . Technical literature (manuscripts, publications, iconography, representation) and training of builders
- . Innovation, exchanges and scientific and technical controversies
- . Construction management, standards and regulations

THE STUDY OF THE HISTORY OF CONSTRUCTION

- . Method problems and teaching
- . Sources: buildings, documents and others
- . Links to other disciplines
- . Conservation science

CHANGING ENVIRONMENTS

- . Introduction of new materials and systems
- . New work organizations
- . Changes in social, economic, political and technical structures and organization
- . Changes to legal frameworks
- . Robotization and mechanization of construction
- . Specialization of labor and lack of craftsmen
- . Resilience and risk
- . Climate change impact
- . Living heritage
- . Responsibilities and rights

ORGANIZING COMMITTEE

Paulo B. Lourenço (University of Minho)
Carlos Maia (University of Minho)
Arnaldo Sousa Melo (University of Minho)
Clara Pimenta do Vale (University of Porto)

DATES

Abstract submission: December 2022
Full-text submission: April 2023
Revised full-text submission: July 2023

INFORMATION

4th International Congress on Luso-Brazilian Construction History (4^oCIHCLB)
University of Minho - Department of Civil Engineering
Campus of Azurém 4800-058 Guimarães – PORTUGAL
📞 Phone: +351 253 510218 ✉ Email: info@4cihclb.pt 🌐 <http://4cihclb.pt>

4th to 7th of September 2023

4^o CIHCLB

