



Universitat Politècnica de València, Spain.

VITRUVIO- International Journal of Architectural Technology and Sustainability

# *The journal*

VITRUVIO Journal is an international journal publishing original articles on frontier research, interdisciplinary and overlapping, in Architecture and Building Engineering covering topics on Sustainable Heritage. So that, the journal positions its scope both in the dominions of Science and Social Sciences.

VITRUVIO is included in the ANVUR list, area 08, of Scientific Journals. The International Scientific Committee is aimed at promoting and encouraging cutting edge research in the field of Buildings and Built Environments. Therefore, it is the intention of the journal to publish scientific papers dealing with two main areas that can be approached from several topics:

Area 1. Conservation, Restoration and Re-use of Architectural Heritage,  
Area 2. Resilient Buildings and Built Environments.

Topics:

**Design and Technique.** Innovation and research in design, processes and operation of integrated design systems and solutions that inform advances towards the sustainable development of heritage.

**Digital Cultural Heritage.** Modelling the Built Environment uses technology and digital innovation to find answers to some of the big questions facing adaptations of heritage and its societies today.

**Spatial Analysis.** Smart Heritage Cities and Towns, urban and rural, are informed theoretically and empirically, by GIS systems among others to raise awareness of new technologies, software and techniques that have emerged as 'web revolution'.

**Regeneration.** Social sciences applied to the improvement communities and their Historical Built Environments looking for global prosperity of Heritage Sites. Health, human wellbeing and climate change.

**Energy Focus.** Works in partnership with industry, government and other academic bodies, to ensure that the carried out research has a real-word impact on sustainable use of natural resources.

**Historic Buildings and Structures.** Reuse, rehabilitation and maintenance. Approaches may consider energy efficiency in historical buildings, as well as materials conservation and repair, monitorisation of structures and materials decay, among others.

# Call for Papers

## Vol. 3 num.2 (2018)

### SUSTAINABLE REUSE OF HISTORICAL HERITAGE

Currently, numerous interventions are performed to improve and preserve the historical heritage, one of the most important is the possibility to transform the building for a new use. There are many examples of buildings in historical built environments, which by a social or commercial strategy undergo radical transformations. In the most of the cases, the old structures must coexist with the new ones, posing new challenges of compatibility, technology, composition and function. Besides, those interventions must technically meet parameters of energy efficiency.

Authors are invited to submit articles that develop, demonstrate and document methods, strategies, approaches and solutions aimed at structural compatibility and energy efficiency of the historical heritage, witness of the past and tangible opportunity for the future.

Specifically the call prefers research papers:

- on materials, construction systems and technological solutions aimed at upgrading efficiency compatible with the protected historic heritage;
- on the structural compatibility between new and historical buildings with attention to new materials and technologies and energy efficiency;
- on the structural compatibility and technological adaptability of systems to better respond to earthquakes;
- on the compatibility and sustainability of integrated materials, systems and solutions that inform advances towards heritage reuse;
- on the correlations between energy efficiency, active conservation and controlled transformation of historical heritage;
- on experimental projects of energy efficiency of historical heritage.
- on theoretical reviews of the next directions to be followed by researchers for the reuse of historical heritage
- on the use and advances of BIM (HBIM) and GIS for sustainable planning and management of the historical heritage to find answers to some of the big questions facing adaptations of heritage and its societies today.

ON-LINE JOURNAL PUBLISHING: December 2018

DEADLINE FOR SUBMISSIONS: November, 1, 2018

#### AUTHOR GUIDELINES

VITRUVIO Journal does not have either article submission charges or article processing charges (APCs).

Submission is done through the Open Journal System platform, which requires a registration as an author. Registration and login are required to submit items online and to check the status of current submissions.

<https://polipapers.upv.es/index.php/vitruvio/about/submissions#onlineSubmissions>

VITRUVIO Journal considers only works that have not been published elsewhere.

The full paper in English must be formed by these parts: title, authors, abstract, keywords, main text with figures and tables, figure captions, table captions, notes, acknowledgments, references. The full paper mustn't be shorter than 20.000 characters and longer than 40.000 characters including spaces.

The authors are called to use the online TEMPLATE and follow the instructions that are written in there.

Selection and evaluation of manuscripts will be conducted by external peer reviewers, with a double-blind system.

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