

ANNOUNCING A NEW JOURNAL

International Journal of
**A Heritage
Architecture**
STUDIES, REPAIRS AND MAINTAINANCE



OBJECTIVES

The International Journal of Heritage Architecture aims to address a series of topics related to studies, repairs and maintenance of the built cultural heritage.

The importance of retaining the world's cultural heritage cannot be overstated. Rapid development and inappropriate conservation techniques are threatening many unique buildings and sites.

The Journal contributions aim to provide the necessary scientific knowledge to facilitate regulating policies. They also address topics related to historical aspects and the reuse of heritage sites.

Technical issues on the structural integrity of different types of buildings, such as those constructed with materials as varied as iron and steel, concrete, masonry, wood or earth are discussed. Restoration processes require the appropriate characterisation of those materials, the modes of construction and the structural behaviour of the building.

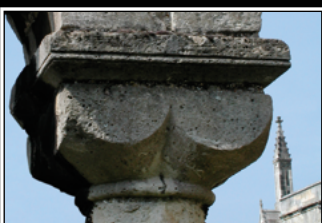
The Journal also considers modern computer simulation studies, which provide accurate results demonstrating the stress state of the building and possible failure mechanisms affecting its stability. Of particular importance are studies related to their dynamic and earthquake behaviour aiming to provide an assessment of the seismic vulnerability of heritage buildings.

The objective of the Journal is to cover the whole range of different periods, including prehistorical monuments, as well as classical periods of different cultures built environment.

Of particular interest is the study of Heritage Architecture in Asia, Native American cultures and other vernacular civilizations in Africa and Oceania. An important aim of the Journal is to investigate cross-cultural influences and, in particular, the importance of cases such as Islamic Architecture and Art in different regions of the world.

The Journal also aims to raise the knowledge of the scale, design and future of defence sites. Former defence sites present different challenges, mainly decontamination, new infrastructure and useful adaptation. Understanding and respecting a site's history and significance is essential to appropriate new uses.

The Journal brings together contributions from scientists, architects, engineers, restoration experts, social scientists, planners, and economists dealing with different aspects of heritage buildings.



TOPICS

- Heritage architecture and historical aspects
- Assessment and reuse
- Performance and maintenance
- Modern (19th/20th century) heritage
- Islamic heritage
- Seismic vulnerability
- Material characterisation
- Heritage masonry
- Earth construction
- Guidelines, codes and regulations
- Defence heritage
- Castles and fortresses
- Learning from the past
- Surveying and monitoring
- Restoration of metallic structures
- Maritime heritage
- Stone masonry walls
- Wooden structures
- Simulation and modelling
- Corrosion and material decay
- Heritage and tourism
- Industrial heritage
- Transportation heritage
- New technologies and materials
- Socio-economic sustainability
- Training and research
- Non destructive testing and monitoring
- Case studies





Wessex Institute of Technology

Located amid the beautiful New Forest National Park in England, Wessex Institute of Technology (usually referred to as just Wessex Institute or WIT) is a unique organisation serving the international scientific community.

The overall aim of Wessex Institute is to develop a series of knowledge transfer mechanisms, particularly directed towards the exchange of information between academics and professional users within industry.

This is achieved through a range of activities organised by a dedicated team of staff both within the Institute and its associate companies. A large network of prestigious contacts and links have been established with many organisations throughout the world.

Publishing: WIT Press is the publishing arm of the Institute, which produces numerous scientific books, monographs, journals and edited works as well as the proceedings from the Institute's conference programme. This includes publication in digital as well as paper format.



A Heritage Architecture

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