

# ERES 2021

**WIT**  
CONFERENCES  
Call for Papers

## 13<sup>th</sup> International Conference on Earthquake Resistant Engineering Structures

26 – 28 May 2021 | Rome, Italy

**Organised by**

Wessex Institute, UK

Link Campus University, Italy

**Sponsored by**

WIT Transactions on the Built Environment



[www.witconferences.com/eres2021](http://www.witconferences.com/eres2021)

**ERES 2021 is the 13<sup>th</sup> international conference in the series on Earthquake Resistant Engineering Structures organised by the Wessex Institute. The Meeting provides a unique forum for the discussion of basic and applied research in the various fields of earthquake engineering relevant to the design of structures.**

Major earthquakes and associated effects such as tsunamis continue to stress the need to carry out more research on those topics. The problems will intensify as population pressure results in building in regions of high seismic vulnerability. A better understanding of these phenomena is required to design earthquake resistant structures and to carry out risk assessment and vulnerability studies.

The problem of protecting the built environment in earthquake-prone regions involves not only the optimal design and construction of new facilities, but also the upgrading and rehabilitation of existing structures including heritage buildings. The type of highly specialized retrofitting employed to protect the built heritage is an important area of research.

This conference will address these problems continuing to expand on the development of previous meetings in the series. Papers presented at ERES are an invaluable record of the state of the art in this field. Most of them are now freely available on the Wessex Institute eLibrary (<http://www.witpress.com/elibrary>) where they are a permanent record demonstrating the quality of the research presented at the ERES conference series.

The conference began in Thessaloniki, Greece in 1997, followed by Catania, Italy (1999); Malaga, Spain (2001); Ancona, Italy (2003); Skiathos, Greece (2005); Bologna, Italy (2007), Cyprus (2009), Tuscany, Italy (2011), A Coruña, Spain (2013), Opatija, Croatia (2015), Alicante, Spain (2017) and Seville, Spain (2019).

## Honorary Chairman

**Claudio Roveda**

Rector of Link Campus University, Italy

## Conference Chairman

**Patrick de Wilde**

Free University of Brussels, Belgium  
*Member of WIT Board of Directors*

## Local Organiser Chair

**G Marseglia**

Link Campus University, Italy

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Wessex Institute, UK

**Alexandros Tsonos**

Aristotle University of Thessaloniki, Greece

**Humberto Varum**

University of Porto, Portugal

## Benefits of Attending

### USB Drive

Delegates will receive a USB drive at the conference containing the presented papers.

### Publication

Papers presented at ERES 2021 are to be published in a Volume of WIT Transactions on the Built Environment (ISSN 1743-3509). The publication will be available in both electronic and hard copy.

### Indexing

The WIT Transactions are DOI registered with CrossRef and are currently listed in indexing services such as Scopus and Google Scholar, as well as being submitted to the Web of Science. All conference books are listed in the British Library and American Library of Congress.

### Open Access and Digital Archive

All conference papers are archived permanently on our electronic library where they can be downloaded for free. ([www.witpress.com/elibrary](http://www.witpress.com/elibrary))

### Peer Review

To ensure the quality of our publications, abstracts and papers are double peer-reviewed by members of the International Scientific Advisory Committee and other experts, with manuscripts processed through CrossRef Similarity Check to screen for plagiarism.

### Reduced Fee for PhD Students

The Wessex Institute believes in the importance of encouraging PhD students to present and publish innovative research at its conferences. As a result, the Institute offers PhD students a much-reduced conference fee.

### Networking

Participants can present their research and interact with experts from around the world, as part of a unique community.

### Journal Publication Opportunity

After the conference, delegates will be invited to submit an enhanced version of their conference paper to one of the WIT Press International Journals.

## Conference Topics

The following list covers some of the topics to be presented at the conference. Papers on other subjects related to the objectives of the meeting are also welcome.

**Seismic hazard and tsunamis**

**Building performance during earthquakes**

**Vulnerability**

**Earthquake prediction**

**Seismic isolation and energy dissipation**

**Performance based design**

**Experimental studies**

**Dynamic analysis**

**Passive protection systems**

**Numerical analysis**

**Monitoring and early warning systems**

**Lifelines and resilience**

**Forensic engineering**

**Safety engineering**

**Heritage structures**

**Earthquakes and landslides**

**Liquefaction**

**Innovative technologies**

**Paraseismic devices**

**Case studies**



## Location

The Italian capital, Rome, boasts an unrivalled 3,000 year heritage of globally influential art, architecture and culture. The city is home to iconic historic landmarks, including the ancient ruins of the Colosseum and the Roman Forum, and abounds with world-class museums such as the Vatican Museums and the Borghese Gallery. As well as substantial Roman remains, significant Baroque and Renaissance buildings pepper the city centre. Today, Rome is not only a cultural centre, but also a commercial, financial and educational hub that has successfully retained its traditional culture and regional cuisine.

## Venue

Link Campus University was established in 1999 in Rome. The University is characterized by its strong international presence and

strong integration between the university and the world of work. Link Campus University boasts a training program characterised by an innovative methodological approach, as well as well-structured teaching capable of dealing with new problems in the economic, legal, political and communication fields. Link Campus University is situated in a magnificent historical complex, the Manor of San Pio V.



## Submission Information

**Abstracts of no more than 300 words should be submitted as soon as possible.**

Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper. Final acceptance will be based on the full-length paper which, if accepted for publication, must be presented at the conference.

The language of the conference will be English.

### Online submission:

[www.witconferences.com/eres2021](http://www.witconferences.com/eres2021)

### Conference Secretariat

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For more information visit: [www.witconferences.com/eres2021](http://www.witconferences.com/eres2021)