

# ERES 2019

**WIT**   
CONFERENCES  
Call for Papers



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

**5 – 7 June 2019 | Seville, Spain**

**Organised by**

Wessex Institute, UK

**Sponsored by**

WIT Transactions on the Built Environment

International Journal of Safety  
and Security Engineering

[www.witconferences.com/eres2019](http://www.witconferences.com/eres2019)

**ERES 2019 is the 12<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 buildings 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) and Alicante, Spain (2017).



## Conference Chairman

**P de Wilde**

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

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## Benefits of Attending

**Publication of Papers** Papers presented at ERES 2019 will be published by WIT Press in a Volume of WIT Transactions. Selected papers will appear in an Issue of the International Journal of Safety and Security instead.

**Reviews** Abstracts and papers are reviewed by members of the International Scientific Advisory Committee and other experts.

**Open Access** WIT Press is an advocate of Open Access which offers maximum dissemination of your work. All WIT Transactions and Journal papers can be downloaded for free of charge from the WIT eLibrary ([www.witpress.com/elibrary](http://www.witpress.com/elibrary)).

**Indexing and Archiving** Papers presented at Wessex Institute conferences are referenced by CrossRef and have appeared in notable reviews and databases. Papers are submitted to various indexing services such as Web of Science, Google Scholar and Scopus. All conference books are listed in the British Library and American Library of Congress.

**Conference Proceedings** At registration delegates will be given copies of the papers presented at the Conference on a USB Flash drive. Following the Conference, delegates will receive an electronic copy of the final publication in which their paper has been published.

**Digital Archive** All conference papers are archived online in the WIT eLibrary ([www.witpress.com/elibrary](http://www.witpress.com/elibrary)) where they are permanently and freely available to the international scientific community.

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

**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.

## Conference Topics

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

**Case studies**

**Numerical analysis**

**Monitoring and early warning systems**

**Lifelines and resilience**

**Forensic engineering**

**Safety engineering**

**Heritage structures**

**Earthquakes and landslides**

**Liquefaction**

**Innovative technologies**

**Paraseismic devices**



## Location

Seville is the capital of the Andalusia region and is situated on the river Guadalquivir. The city is more than 2,200 years old and has a distinct personality and a large and well-preserved historical centre. The old town contains three world heritage sites: the Minaret of La Giralda, the General Archive of the Indies and the Alcázar Palace. The city is also home to many convents, churches, palaces, museums and gardens including the Museum of Fine Arts, Parque de María Luisa and the Gothic Cathedral which is the site of Christopher Columbus's

tomb. It is believed that flamenco originated in Seville, and there are many flamenco shows on offer all over the city, as well as the museum dedicated to the art.

## Conference Venue

The conference will take place at the Hotel Meliá Sevilla, located in the heart of Seville and situated in a privileged location opposite the Parque de María Luisa and Plaza España. The hotel has good transport links by bus, tram and train. The hotel also has an outdoor pool and fitness area.

## 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/eres2019](http://www.witconferences.com/eres2019)

### Conference Secretariat

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