

ENERGY AND SUSTAINABILITY 2021

WIT
CONFERENCES
Call for Papers

**9th International conference on Energy
and Sustainability**

6 – 8 October 2021 | Bilbao, Spain

Organised by
Wessex Institute, UK

Sponsored by
WIT Transactions on Ecology and the Environment
International Journal of Energy Production and Management



www.witconferences.com/energy2021

The world's economy is fuelled by energy. Depletion of resources and severe environmental effects resulting from the continuous use of fossil fuels has motivated an increasing amount of interest in renewable energy resources and the search for sustainable energy policies.

The changes required to progress from an economy mainly focussed on hydrocarbons to one taking advantage of sustainable renewable energy resources require considerable scientific research, as well as the development of new engineering systems. Energy policies and management are of primary importance to achieve the development of sustainability and need to be consistent with recent advances in energy production and distribution.

In many cases, the challenges lie as much in the conversion from renewable energies (wind, solar etc) to useful forms (electricity, heat, fuel)

at an acceptable cost including damage to the environment as in the integration of these resources into the existing infrastructure.

The diverse topics covered by the conference involve collaboration between different disciplines in order to arrive at optimum solutions, including studies of materials, energy networks, new energy resources, storage solutions, waste to energy systems, smart grids and many others.

Energy and Sustainability 2021 is the 9th International Conference in a very successful series which started in the New Forest, UK, home of the Wessex Institute in 2007; followed by meetings in Bologna (2009); Alicante (2011); Budapest (2013); Kuala Lumpur (2014); Medellin, Colombia (2015); Seville (2017) and Coimbra (2019).

Conference Chairman

Stavros Syngellakis

Wessex Institute, UK

Member of WIT Board of Directors

International Scientific Advisory Committee

Hussain Al-Kayiem

Universiti Teknologi PETRONAS, Malaysia

Rockley Boothroyd

Consultant, Australia

Jose Alberto Eguren

Mondragon Unibertsitatea, Spain

Mahmoud Haggag

UAE University, UAE

Erik Jarlsby

Eureka Energy Partners AS, Norway

Mikhail Kozhevnikov

Ural Federal University, Russia

Jean-Michel Lavoie

Universite de Sherbrooke, Canada

Eva Llera

University of Zaragoza, Spain

Elena Magaril

Ural Federal University, Russia

Nader Mahinpey

University of Calgary, Canada

Liliana Marquez Benavides

Universidad Michoacana de San Nicolás de Hidalgo, Mexico

Shamsul Rahman Mohamed Kutty

Universiti Teknologi PETRONAS, Malaysia

Deborah Panepinto

Politecnico di Torino, Italy

Fabio Polonara

University Politecnica delle Marche, Italy

Elena Cristina Rada

Insubria University of Varese, Italy

Marco Ragazzi

University of Trento, Italy

Ines Simoes

University of Coimbra: Polo II, Portugal

Nuno Simoes

University of Coimbra, Portugal

Rolf Sjoblom

Tekedo AB, Sweden

Antonio Tadeu

University of Coimbra, Portugal

Vincenzo Torretta

Insubria University of Varese, Italy

Jaap Vleugel

Delft University of Technology, Netherlands

Montserrat Zamorano

University of Granada, Spain

Benefits of Attending

USB Drive

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

Publication

Papers presented at Energy and Sustainability 2021 are to be published in a Volume of WIT Transactions on Ecology and the Environment (ISSN 1743-3541). 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)

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.

Energy policies

Renewable energy resources

Sustainable energy production

Environmental risk management

Sustainable buildings

Energy storage and distribution

Energy efficiency

Biomass and biofuels

Waste to energy

Processing of oil and gas

CO2 capturing and management

Pipelines

Smart grids

Energy and transport

Sustainable energy from hydrocarbons

Energy sustainability by design and process optimisation

Energy sustainability by system integration

Energy and circular economy

Energy access

Heat storages

Case studies



Location

Located in North East Spain, Bilbao is found between the Cantabrian Sea and the Basque Mountains. The Bilbao estuary runs across the city, adding to the already beautiful landscape. Once an industrial hub, Bilbao is now a sophisticated city that is constantly evolving, known for its architectural allure and vibrant culture. The city mixes old and new, from a neobaroque theatre, an art nouveau train station and several spectacular cathedrals to Frank Gehry's Guggenheim Museum, the Zubizuri Bridge, and the Azkuna Zentroa cultural centre. Gastronomy enthusiasts will find an abundance of restaurants and be able to discover and enjoy the famous Basque cuisine; the city has several Michelin Star awarded restaurants, pintxo bars, traditional taverns and cider restaurants.

Venue

The conference will take place at the Hotel Gran Bilbao. This modern hotel has 202 rooms, underground private parking, free WiFi, a restaurant and a bar. The hotel is only an 8-minute walk from Bilbao old town and well connected by public transport to the city's tourist attractions.



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/energy2021

Conference Secretariat

Irene Moreno Millan

imoreno@wessex.ac.uk

Wessex Institute

Ashurst Lodge, Ashurst
Southampton, SO40 7AA, UK

Tel: +44 (0) 238 029 3223

Fax: +44 (0) 238 029 2853



For more information visit: www.witconferences.com/energy2021