Importance of the Symposium

The 12th International Exergy, Energy and Environment Symposium (IEEES-12) is an initiative aimed at bringing together the academicians, researchers, scientists, technocrats and practicing engineers in the confluence between several related disciplines ranging from energy to environment.

IEEES-12 will cover a diverse range of cutting-edge topics, including but not limited to Renewable and Sustainable Energy Technologies, Oil and Gas Technologies, Smart Grids, Green and Electrified Transportation, Alternative and Clean Fuels, Hydrogen and Fuel Cell Technologies, Desalination Technologies, Sustainable Agriculture, Waste Water Treatment and Environmental Technologies.

The symposium will include keynote speeches by invited speakers, general papers presented in oral sessions, panel discussions, specialized sessions on selected topics and poster sessions. There will also be social and technical tours.

To mark World Water Day, the annual observance by the United Nations (UN) on 22 March, a special workshop will be hosted on the importance of water, wastewater and desalination technologies and the challenges involved in the implementation of these technologies.

Previous successful editions of IEEES conference series were held in Izmir, Turkey (2003); Kos, Greece (2005); Evora, Portugal (2007); Sharjah, United Arab Emirates (2009); Luxor, Egypt (2011); Eurasia, Turkey (2013); Valenciennes, France (2015); Antalya, Turkey (2016); Split, Croatia (2017); Katowice, Poland (2018); Chennai, India (2019).

Symposium Themes

Topical areas of interest include, but are not limited to:
- Air conditioning systems
- Alternative energy
- Ammonia
- Biofuels
- Carbon capture, sequestration, storage and utilization
- Catalysis
- Clean energy conversion
- Climate change impacts, modeling and simulations
- Combustion, pyrolysis, and gasification technologies
- Cooling technologies
- Desalination technologies
- Electric and hybrid vehicles
- Electrochemical devices (fuel cells, batteries, etc.)
- Energy efficiency
- Energy security, policies and strategies
- Energy storage technologies
- Energy systems modeling
- Environmental impact prevention technologies
- Environmental education and training
- Exergoeconomics and thermo-economics
- Exergy analysis
- Food and agriculture
- Global warming
- Green transportation vehicles
- Green buildings
- Greenhouse gas reduction strategies
- Hydrogen and fuel cell technologies
- Life cycle assessment
- Liquefaction systems and applications
- Material synthesis and application
- Nanomaterials
- Natural gas processing
- Nuclear energy technologies
- Oil and gas technologies
- Process engineering and process optimization
- Refrigeration and heat pump systems
- Renewable energy sources and technologies
- Smart grids
- Solar energy
- Solid and municipal wastes
- Sustainable development
- Synthetic and alternative fuels
- Thermodynamic analysis and optimization
- Waste management
- Waste water treatment techniques
- Water and water issues
- Water resources and management
- Wind energy

Symposium Venue

Hamad Bin Khalifa University (HBKU), a member of Qatar Foundation (QF) for Education, Science, and Community Development, will be the hosting and organizing institution. It was founded in 2010 to continue fulfilling Qatar Foundation’s vision of unlocking human potential and is acting as a catalyst for positive transformation in Qatar and the region while having a global impact.

Key Dates

<table>
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<tr>
<th>Date</th>
<th>Event</th>
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<tr>
<td>January 15, 2020</td>
<td>Abstract (max. 1 page) due</td>
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<tr>
<td>February 1, 2020</td>
<td>Short paper (max. 4 pages) due</td>
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<tr>
<td>February 10, 2020</td>
<td>Notification of manuscript acceptance</td>
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<tr>
<td>March 05, 2020</td>
<td>Registration deadline</td>
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Submission

Abstracts and short papers should be prepared according to the guidelines and submitted through the website: www.hbku.edu.qa/ieees12

Special Issues

Accepted and presented papers, in extended form, will be considered for possible publication in below SCI journals as well as book chapters.

Contact Information

Division of Sustainable Development, College of Science and Engineering, Hamad Bin Khalifa University
Tel-1: +974 4454 2906, Tel-2: +974 4454 8144, Fax: +974 4454 0281, E-mail: ieees12@hbku.edu.qa
Penrose House (LAS Building), Qatar Foundation, Education City, Doha, Qatar