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جامعة
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HAMAD BIN KHALIFA
UNIVERSITY
عضو في مؤسسة قطر
Member of Qatar Foundation

12th International Exergy, Energy and Environment Symposium (IEEEES-12)

20-24 December 2020 (ONLINE)

Organizer: Hamad Bin Khalifa University, Education City, Doha, Qatar

Importance of the Symposium

The 12th International Exergy, Energy and Environment Symposium (IEEEES-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.

IEEEES-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.

Previous successful editions of IEEEES 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 Organizer

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

November 1, 2020: Abstract (max. 1 page) due
December 1, 2020: Short paper (max. 4 pages) due
December 10, 2020: Registration and virtual presentation submission deadline

Submission

Abstracts and short papers should be prepared according to the guidelines and submitted through the website:

www.hbku.edu.qa/ieeees12

Special Issues

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



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 thermoeconomics
- 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



Contact Information

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