

EFEA 2021

March 24-26th, 2021

Technical University of Sofia

BULGARIA

Venue: Vitosha Park Hotel

ENVIRONMENT-FRIENDLY ENERGIES AND APPLICATIONS

<http://efeaconf.com/>

CALL FOR PAPERS

In response to the ever-increasing interests and technological developments in environmentally friendly energy systems, the Organizing Committee is pleased to welcome you to the 6th International Conference on Environment-Friendly Energies and Applications (EFEA'2021), which will be held in Sofia, Bulgaria, on March 24-26, 2021. EFEA is a forum for bringing academics, scientists, engineers, and industrial partners together to discuss the recent developments in the areas of environment-friendly energies, technologies and their applications. The main theme of this symposium is on renewable and sustainable energy systems, hybrid transportation systems, energy security, and indoor environment.

Topics

- 1. Policy:** Renewable Energy Technology Roadmap; R&D; Finance; Supply Chain; Marketing
- 2. Low Energy Building and Architecture:** Green Building; Bioclimatic Architecture; New Materials; Smart HVAC Systems; Architecture and Civil Engineering Solutions
- 3. Indoor Environment Quality**
- 4. Advanced Power Systems:** Distributed Energy Resources; Smart Grids; Micro-Grid; Power Electronic Convertors
- 5. Electric and Hybrid Vehicles:** Electric Cars; Hybrid Engines; Regenerative Brake Systems; Power/Electric Transmission Systems; Battery, Energy Management
- 6. Control:** Risk Assessment, Smart Electrical Energy Metering; Fault Tolerated Control Systems; Demand/Power Control; Fault Detection and Management
- 7. Wind and Hybrid Renewable Energy Systems:** Wind Turbine Aerodynamics and Structure; Wind Turbine Load and Power Control; On-Grid and Standalone Hybrid System; Power/Demand Management Systems; Resource Modelling; Condition Monitoring of Wind Apparatus; Offshore Wind Energy: Technology & Planning
- 8. Solar Thermal and Geothermal:** Solar Thermal Collectors; Solar Heat Pump; Combined Heat/Power; Air-Conditioning; Geothermal Heat Pump; Geothermal Direct Use
- 9. Hydrogen & Fuel Cell:** Fuel Cell Power Plants; Hydrogen Production
- 10. Hydropower and Marine Energy:** Micro & Pico Hydro System; Ocean Thermal Energy; Wave Energy
- 11. Energy Storage:** High Voltage Batteries; Battery Charge Balancing and Cooling; Charge/Energy Management; Ultrabatteries; Thermal, Unconventional and Hybrid Energy
- 12. Biomass:** Biofuel; Biomaterials; Biomass Gasification; Biomass heating Systems
- 13. Materials in Renewable Energy Technologies:** Composite Materials; Smart Materials; Shape Memory Alloys
- 14. Education and Career:** Higher Education, Prospects in Green Job Opportunities
- 15. Eco-Design:** Methods and Design Tools for Renewable Energy; Eco-Design
- 16. Energy System Sustainability and Integration:** Eco-Sustainable Energy Development; Conventional and Green Power Sources Integration; Special Focus on the Euro-Med Region

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“ WORKING TOWARDS A GREEN FUTURE ”

Paper submission

Please, visit <http://efeaconf.com>

Format: Full papers should be submitted in standard IEEE double-column format for a conference and not exceed 6 pages. Additional fees apply for over-length papers.

Language: The official language of the conference is **English**.

Important dates

Full paper submission deadline: **20 December 2020**

Proposal for Special session: **15 December 2020**

Notification of acceptance: **20 January 2021**

Early bird registration deadline: **31 January 2021**

Camera-ready version submission deadline: **24 February 2021**

Author registration deadline: **24 March 2021**

Publications

The conference is technically co-sponsored by the IEEE Industrial Electronics Society. Registered and presented papers will be published in the proceedings that will be submitted to the IEEE Xplore® digital library and indexed in Scopus



Conference venue

The EFEA conference will be held at the Vitosha Park Hotel, located next to the Technical University of Sofia.

Conference secretariat

Centre for Research and Design in Human Comfort, Energy and Environment (CERDECEN)

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Exhibition and sponsorship opportunities

Sponsors will benefit of company name and logo (hyperlinked) on EFEA 2021 website, recognition in EFEA 2021 program, promotional material in attendee bags, exhibition booths, banners in conference sessions, complimentary registrations, etc. (please check the website for more information: <http://efeaconf.com/>)

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