

5th International Symposium on

ENVIRONMENT-FRIENDLY ENERGIES AND APPLICATIONS

September 24-26th, 2018
Faculty of Civil and Industrial Engineering
University of Rome Sapienza - Italy

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CALL FOR PAPER

In response to the ever increasing interests and technological developments in environmentally friendly energy systems, the Organizing Committee are pleased to welcome you to the 5th International Symposium on Environment-Friendly Energies and Applications (EFEA'2018) which will be held in Rome, Italy, on September 24-26, 2018. 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 and their applications.

The main theme of this symposium is on renewable and sustainable energy systems, hybrid transportation systems and energy security.

TOPICS

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

“ WORKING TOWARDS A GREEN FUTURE ”

PAPER SUBMISSION

Submission: Papers should be submitted online to <https://cmt3.research.microsoft.com/EFEA2018>

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

Language: The official language of the conference will be **English**.

IMPORTANT DATES

Full paper submission deadline:	30 April 2018
Proposal for Special session:	28 February 2018
Notification of acceptance:	15 July 2018
Early bird registration deadline:	15 August 2018
Camera-ready version submission deadline:	15 August 2018
Author registration deadline:	31 August 2018

PUBLICATION: ABSTRACTING AND INDEXING

Delegates will receive a copy of the proceedings at the registration desk. 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 indexed on IEEE Xplore.



CONFERENCE VENUE

The Symposium will be held at the University of Rome "Sapienza", Faculty of Civil and Industrial Engineering, which has a long tradition of teaching and researching. The Faculty is located in the historic centre of Rome directly overlooking the Coliseum and next to the ancient Basilica of San Pietro in Vincoli, home to Michelangelo's statue of Moses.

CONFERENCE SECRETARIAT

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EXHIBITION AND SPONSORSHIP OPPORTUNITIES

An exhibition of official sponsors will take place in the Cloister of the Faculty of Civil and Industrial Engineering. Sponsors will benefit of company name and logo (hyperlinked) on EFEA 2018 website, recognition in EFEA 2018 program, promotional material in attendee bags, exhibition booths, banners in conference sessions, complimentary registrations, etc. (please check the website for more informations: <http://soe.northumbria.ac.uk/efea2018/>)

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