



**7th International Conference on Environment-Friendly Energies and Applications - EFEA 2022**  
Mauritius 14 -16 December 2022

### Steering Committee

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### Chairs

Raj Dreepaul, MU  
Dhirajsing Rughoo, MU

### Important dates

#### Full paper submission deadline:

15 September 2022

#### Proposal for Special session:

30 September 2022

#### Notification of acceptance:

4 November 2022

#### Early bird registration deadline:

11 November 2022

#### Camera-ready version submission deadline:

25 November 2022

#### Author registration deadline:

7 December 2022

### Contact information

#### Registration & Technical Support:

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#### Paper Submission and Publication:

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#### Special Sessions & Workshops: Dr.

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#### General Queries:

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### Organising institution:

Universite des Mascareignes,  
Mauritius



in partnership with  
**University of Limoges,**  
**Northumbria University,**  
**University of Aberdeen,**  
**Glasgow Caledonian University,**  
**University Polytechnique Hauts de France**

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 7<sup>th</sup> International Conference on Environment-Friendly Energies and Applications (EFEA'2022) which will be held in Mauritius, 14-16 December 2022.

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 conference is on renewable and sustainable energy systems, hybrid transportation systems and energy security.

The conference is organised by the Université des Mascareignes and will be held at Hotel Voila, located at Bagatelle (<https://www.voilahotel.mu/>). Bagatelle is located in the district of Moka in the central part of Mauritius and is famous for its shopping mall and food court.

**For more information please go to: <http://efeaconf.com/index.html>**

### TOPICS : EFEA'2022 topics include (but are not limited to):

**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 Grid; 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

**6. Wind Energy:** Wind Turbine Aerodynamics and Structure; Wind Turbine Load and Power Control; Offshore Wind; Floating Wind Turbines.

**7. Distributed Hybrid Renewable Energy Systems:** On-grid and standalone Hybrid System; Power/Demand Management Systems; Resource Modelling; Design and Size Optimisation

**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 Systems End of Life:** Decommissioning; Recycling; Reuse; Reutilisation

**12. Biomass:** Biofuel; Biomaterials; Biomass Gasification; Biomass heating systems

**13. Energy Storage:** High voltage batteries; Battery charge balancing and cooling; Charge/energy management; Ultra batteries; Thermal, unconventional and Hybrid energy storage systems

**14. Energy Transition:** Policy; Technological aspects; Socio-economical aspects

**15. Materials in Renewable Energy Technologies:** Composite materials; Smart materials; Shape memory alloys

**16. Eco design:** Methods and design tools for renewable energy; eco-design,

**17. Energy System Sustainability and Integration:** Eco-Sustainable Energy Development; Conventional and Green Power Sources Integration

**18. Education and Career:** Higher education; Life-long learning; Prospects in green job opportunities; capacity building

### PAPER SUBMISSION

**Submission:** Papers should be submitted online to: <https://cmt3.research.microsoft.com/EFEA2022>.

**Format:** Full papers should be submitted in standard IEEE double-column format for conferences and not exceed 6 pages.

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

### REGISTRATION FEES (HYBRID MODE)

#### Registration fees – attendance at the venue

Registration	Before or on 11 Nov. 2022	After 11 Nov. 2022	On-site registration
Authors	350 Euros	400 Euros	450 Euros
Authors (IEEE Members)	300 Euros	350 Euros	400 Euros
Authors (Student)	250 Euros	300 Euros	350 Euros
Nonauthors	300 Euros	350 Euros	400 Euros
Nonauthors (IEEE Member)	250 Euros	300 Euros	350 Euros
Additional Paper	100 Euros	100 Euros	N/A
Additional page (up to 2)	50 Euros	50 Euros	N/A

\* Full registration includes up to 2 papers (paper length is 6 pages). Student registration includes 1 paper (for 2 papers apply for a full registration). Each accepted paper must be presented by one of the authors (or a qualified substitute). Author registration fee includes lunches, banquet, conference proceeding, conference bag & gala dinner.

#### Registration fees – online attendance

Registration	Before or on 11 Nov. 2022	After 11 Nov. 2022
Authors	200 Euros	250 Euros
Authors (IEEE Members)	150 Euros	200 Euros
Authors (Student)	100 Euros	150 Euros
Nonauthors	150 Euros	200 Euros
Nonauthors (IEEE Member)	100 Euros	150 Euros
Additional Paper	100 Euros	100 Euros
Additional page (up to 2)	50 Euros	50 Euros

### PUBLICATION: ABSTRACTING AND INDEXING



Registered and presented papers will be published in proceedings that will be indexed on IEEE Xplore.

**"MOVING TOWARDS A GREENER FUTURE"**