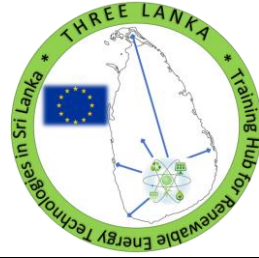


# International conference on CAPacity building in the Renewable Energy Sector (I-CARES)2022



## Important dates

**Abstract Submission**  
15<sup>th</sup> May 2022

**Notification of acceptance:**  
20<sup>th</sup> May 2022

**Full paper submission**  
5<sup>th</sup> June 2022

**Conference Dates:**  
22<sup>nd</sup> -23<sup>rd</sup> June 2022

**Notification of acceptance of full paper:**  
10<sup>th</sup> June 2022

**Early bird registration deadline:**  
25<sup>th</sup> May 2022

**Author registration deadline:**  
15<sup>th</sup> June 2022

## Contact information

### Registration & Paper

#### Submission:

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#### Venue

Northumbria University,  
Newcastle upon Tyne, UK NE1  
8ST

#### Partners



## Overview:

Renewable energy sources are expected to provide 30–40% of the world's primary energy in 2050. These will play a critical role in achieving the United Nations Framework Convention Climate change targets, COP 26, and UN Sustainable Development Goals. A key element for attaining these is capacity building in renewable energy technologies. The main objective of this international conference on capacity building in the renewable energy sector is to disseminate knowledge in the area of novel renewable energy research, technologies and policies. The conference will also serve as a platform for knowledge transfer and capacity building in the vocational and higher education sector of developing countries. Within the global context, there is limited platform available for enhancing the knowledge exchange and training facilities in targeting both vocational and higher education sector in the area of renewable energy technologies. The International conference on capacity building of the Renewable Energy Sector (IRES) is expected to provide a future global network in developing the RE sector's future skill mix.

The conference is initiated under the project “Training Hub for Renewable Energy Technologies in Sri Lanka-THREE LANKA”, which is funded under the Erasmus+, capacity building for higher education sector. The overall aim of the Three-Lanka project is to develop the required skill levels in Sri Lanka for sustainable development in RE sector by encompassing successful knowledge exchange with EU universities.

For more information please go to: <https://threelanka.com/>

### TOPICS : Three-Lanka 2022 topics include (but are not limited to):

- 1. Policy:** Renewable Energy Technology Roadmap; R&D; Finance; Supply Chain; Marketing
- 2. Advanced Power Systems:** Distributed Energy Resources; Smart Grid; Micro-grid; Power Electronic Convertors
- 3. Control:** Smart Electrical Energy Metering; Fault Tolerated Control Systems; Demand/Power Control
- 4. Wind Energy:** Wind Turbine Load and Power Control; Offshore Wind; Floating Wind Turbines.
- 5. Distributed Hybrid Renewable Energy Systems:** On-grid and standalone Hybrid System; Power/Demand Management Systems; Resource Modelling; Design and Size Optimisation
- 6. Solar Thermal and Geothermal:** Solar thermal collectors; Solar Heat Pump; Combined Heat/Power; Geothermal Heat Pump; Geothermal Direct Use
- 7. Hydrogen & Fuel Cell:** Fuel Cell Power Plants; Hydrogen Production
- 8. Energy Storage:** High voltage batteries; Battery charge balancing and cooling; Charge/energy management; Ultra batteries; Thermal, unconventional and Hybrid energy storage systems
- 9. Social Dimensions of Engineering and Education:** Higher education; Life-long learning; Prospects in green job opportunities; capacity building
- 10. Biomass:** Biofuel; Biomaterials; Biomass Gasification; Biomass heating systems

### PAPER SUBMISSION

**Submission:** Papers should be submitted online to: [faheem.a.malik@northumbria.ac.uk](mailto:faheem.a.malik@northumbria.ac.uk)

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

### REGISTRATION FEES (HYBRID MODE)

#### Registration fees – attendance at the venue

Registration	Before 25 May 2022	After 25 May 2022
Authors	100 Euros	150 Euros
Authors (IEEE Members)	75 Euros	100 Euros
Authors (Student)	50 Euros	75 Euros
Nonauthors	50 Euros	75 Euros

\* Full registration includes up to 2 papers (paper length is 6 pages). Each accepted paper must be presented by one of the authors.

Gala dinner 35 Euros.

#### Registration fees – online attendance

Registration	Before or after 25 May 2022
Authors	75 Euros
Authors (IEEE Members)	50 Euros
Authors (Student)	25 Euros
Nonauthors	25 Euros

### PUBLICATION: ABSTRACTING AND INDEXING



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



“TakeOnTommorow: BUILDING CAPACITY IN RENEWABLE SYSTEMS FOR A GREENER FUTURE”