

REV2022 Special Session Call for Papers

Title

**The Impact of Renewable Energy on Climate Change
(SCHOOL – UNIVERSITY – INDUSTRY cooperation) IRE-CC**

Acronym

IRE-CC

Overview

“Solar Power – the Bright side of the Lifelong Learning”

Local and individual generation of electricity by photovoltaic will have a great impact on the life and education level and in Lifelong Learning. However, the education and the understanding of renewables and in particular photovoltaics will develop in many countries' new prosumers (source and consumer of electricity) and in some places, consumers having a grid-tie inverter is that it gives you an unlimited amount of electric power, and you can use as much electricity as you want. It is also safe because it uses a form of alternating current.

The intelligent monitoring control and protection of these systems represent the vector toward digitization and the green power supply system. Attention will be paid to the intensive review of advanced smart metering and communication infrastructures based on the Industrial Internet of Things (IIoT) technology.

Remote laboratories provide web access to physical laboratories and by this allows students from universities to learn in their places and engineers to conduct experiments without being physically present at the location of the laboratory equipment or systems. The best part about the digitization of education in the 21st century is that it is combined with the aspects of both - classroom learning and online learning methods.

Applying all these things to the photovoltaics field of renewable energies will conduct and catalyse green climate change. The design and implementation of a distance e-learning course on the design and control of photovoltaic plants (laboratories), simulation software and remote lab services are the main ideas in Lifelong Learning

Topics

Authors are invited to submit complete papers for the **IRE-CC Special Session** (no abstracts needed). The topics cover all aspects of connectivity for Renewable Energy/Climate Changes, including but not limited to the following:

- Renewable energy
- Photovoltaics PV
- Artificial Intelligence AI
- Lifelong Learning
- Cloud and Virtual Instrumentations
- Remote engineering
- Remote Training and Education
- Creative solutions in Research, Education and PV Production
- IoT, IIoT and systems control
- IoT Network, Services and Security
- School – University-Industry Collaborations
- Smart Homes and Systems (Illumination control, Automation, Monitoring, etc.)
- Reconfigurable systems
- New Li-Fi solutions, etc.
- Etc.

Program Committee

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