



Call For Paper

The 1st National Conference on Green Energy (NCGE'2023) is a scientific and technical meeting that will be held at the Faculty of Technology, University of Boumerdes, Algeria from **14 to 15, November 2023**. The aim is to bring together scientists, researchers, engineers and doctoral students to present and discuss their latest studies and research results in the broad field of renewable energy, energy management and transportation applications. We aim to evaluate the energy potential for our country in the vein of the new world conjuncture, draw attention to investments in the field and shed light on our future.



NCGE'2023

1st National Conference on Green Energy November 14-15, 2023, Boumerdès, Algeria

Important Dates

Submission Dead line: **August 31, 2023**
 Acceptance Notification: **October 20, 2023**
 Conference Date: **14-15 November, 2023**

Conference Topics

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Smart Systems for Renewable Energy Applications

- Artificial intelligence based Renewable Energy Systems
- Internet of Things (IoT) based Renewable Energy Systems
- Smart Grid Systems and optimal Energy-Efficiency
- Smart cities and Energy Consumption Savings
- Smart energy management methods
- Intelligent Optimization and control methods for Renewable Energy Systems
- Intelligent Transport Systems and Traffic Management

Renewable Energy Generation, Conversion and Storage

- Solar Energy conversion systems
- Wind Energy conversion systems
- Alternative renewable energy systems as biomass, Hydrogen Geothermal... etc.
- Electrical power converters control for renewable energy conversion systems
- MPPT control and energy savings.
- Electric Vehicles
- Renewable energy storage systems; technologies and challenge.
- Advanced Control systems for energy storage purposes.

Monitoring and Supervision of Renewable Energy Conversion Systems

- Smart monitoring of Renewable Energy Systems
- Fault detection and isolation techniques
- Real time Fault diagnosis methods of Renewable Energy Systems
- Artificial intelligence applied to supervision of RES
- Optimal control and efficiency tracking of RES.

Renewable Energy Management, Saving and Efficiency

- Optimal renewable energy management process.
- Energy management control algorithms,
- DC micro-grids and smart grids energy management systems.
- Energy management and control of grid tied conversion systems.
- Renewable energy recovery and harvesting,
- Commercial facility and residential energy management,
- Optimization of industry energy use,
- Renewable energy mobile applications,

Publication

Accepted and presented papers will be published in the proceedings in the Algerian Journal of Environmental Science and Technology (ALJEST. www.aljest.org) and selected papers will be forwarded for publication in the Algerian Journal of Signals and Systems (AJSS. <https://ajss.dz/index.php/ajss>). The two journals are partners to the conference.

Paper Submission

Authors are invited to submit full-length papers (5 pages max) written in English, and formatted using the IEEE template: (<https://www.ieee.org/conferences/publishing/templates.html>). The papers should be submitted electronically in PDF format at: <https://cmt3.research.microsoft.com/NCGE2023>

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Pr. Mustepha YAHI, Rector of University of M'hamed Bougara Boumerdes (UMBB), Algeria.

Pr. Mohamed SAIDI, Dean of the Faculty of Technology, University of M'hamed Bougara Boumerdes (UMBB), Algeria.

Conference General Chair

Dr. Yassine Yakhelef, University of Boumerdes, Algeria.

Conference General Co-Chair

Dr. Fares Nafa, University Boumerdes, Algeria.

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Dr. Samah Riache, University of Boumerdes

Notes on Registration Fees and Services

The conference NCGE 2023 will be held as hybrid (online and face-to-face). Therefore, the following notes are applicable:

- ☞ No participation fees are applied (fully free participation).
- ☞ No accommodations for participants are covered and ensured during the days of the conference.
- ☞ Presenters will get their participation certificates after the conference.
- ☞ Presenters will get the conference proceedings after the conference in electronic form by e-mail.

Contact and information: Email: ncge2023@gmail.com; website: <https://ncge2023.univ-boumerdes.dz>



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