

3rd International Conference on Energy and Sustainable Environment

Theme

Inclusive and Innovative Solutions for Sustainable Development

Date

October 26-28, 2021

Venue

**Centre for Entrepreneurial Studies,
Covenant University, Canaan Land,
Ota, Nigeria**

The following group and clusters of Covenant University, jointly present the 3rd International Conference on Energy and Sustainable Environment (ICESE 2021):

- Centre for Economic Policy and Development Research (CEPDeR)
- Energy & Environment Research Cluster (EERC)
- Renewable Energy Research Cluster (RERC)
- Built Environment Research Cluster (BERC)
- Biotechnology Research Cluster (BRC)

AIM AND SCOPE

The aim of the conference is to bring together local and international experts, researchers, scholars, policy makers, industrialists, etc in various fields of energy and environment related principles to present their findings. It will also create opportunities for the display of products, applications and research collaboration.

Conference Technical Sessions will be along the following Sub-themes:

Sub-theme A: Environment – Climate Change

1. Environmental Pollution, Law and Policy
2. Climate Change Adaptation/Mitigation
3. Sustainable Development
4. Carbon dioxide and Greenhouse Gas Mitigation
5. Energy Harvesting and Sustainable Environment
6. Impact of Renewable Energy on Women and Children
7. Renewable Energy and Youth Empowerment
8. Renewable Energy Education

Sub-theme B: Energy

1. Conventional Fuels (Oil, Gas, Coal and Lignite)
2. Biofuels and Bioenergy
3. Energy Efficiency and Conservation
4. Sustainable National Energy Growth
5. Small-Scale Renewable Energy
6. Renewable Energy and Photonics
7. Solar Energy Technologies (Solar Thermal and PV)
8. Waste to Energy
9. Tidal Energy
10. Ground Thermal Storage and Geothermal Energy
11. Fuel Cells, Hydrogen Generation
12. Energy System Modeling
13. Hybrid Energy Systems
14. Wind Energy
15. Smart Grids
16. Clean Technology
17. Off-Grid Renewable Energy and Green Economy
18. Renewable Energy and Information Technology
19. Energy Storage Systems and Technologies

Sub-theme C: Energy Management

1. Economics of Energy Systems
2. Payback of Energy Systems
3. Market Feasibility of Energy Systems
4. Energy and Cost Saving Potential
5. Trends: Past, Present, Future of Energy Generation in Developing Countries
6. Green Chemistry
7. Renewable Energy and Carbon Pricing
8. Green Agriculture and Food Security
9. Energy Markets, Pricing and Feed-in Tariffs
10. Energy Financing and Green Climate Fund
11. Sustainability Accounting
12. Environmental Reporting

Sub-theme D: Built Environment

1. Sustainable Building Design
2. Eco-Design and Sustainable Cities
3. Sustainable Construction Technologies
4. Sustainable Building Materials
5. Energy Efficiency in Buildings
6. Urban Green Infrastructure
7. Sustainable Planning

8. Sustainable Urban Management
9. Education and Practice
10. Smart Cities
11. Inclusive Solutions for Sustainable Development

Sub-theme E: Biotechnology

1. Biotechnology, Safe Environment & Impact Management
2. Sustainable, Renewable Energy and Biotechnology
3. Low Energy Input, Bio-Innovations, Biotechnology Processes and Products
4. Bioethics, Biosafety, Safe Products, Patent Laws and Advocacy
5. Bioresources: Biowastes, Bioelectronics and Bioenergy
6. ICT, Biotechnology, Emerging Agriculture and Environment
7. Green Growth Technology and Innovation

FULL PAPER FOR PRESENTATION AND PUBLICATION

All authors of accepted full papers will be invited to give oral presentation and the papers will be published in the Conference selected publication outlets.

NB: Presentation of a paper is a pre-condition for publication. An author should not have more than two papers at the conference as first author.

ABSTRACT (FOR PRESENTATION ONLY)

All authors of accepted abstracts will be invited to give oral presentation only. The abstracts will appear in the book of abstract that will be compiled in USB drive.

Participants will be expected to submit abstract(s) of not more than 300 words in word file and full length paper(s) to icese@covenantuniversity.edu.ng

Each abstract must indicate the theme to which the paper is relevant as listed under Aim & Scope. It should be original and contain the following: introduction, methodology, results (or expected results) and conclusion. Abstract should consist of the following:

- Title of the paper
- Theme (as listed under Aim & Scope)
- Name and affiliation of author(s)
- Full address, email, phone and fax of author

Conference Mode: **Virtual and In-person**

The Conference proceeding will be published in IOP Conference Series: Earth and Environmental Sciences (Scopus/ISI Indexed) after rigorous double-blind peer review process.

Link to ICESE 2019 Proceedings:
<https://iopscience.iop.org/1755-1315/331/1>

Link to ICESE 2020 Proceedings:
<https://iopscience.iop.org/issue/1755-1315/665/1>

The conference working language is English.

ORGANIZATION

The Conference will include:

- Plenary and concurrent sessions
- Poster sessions
- Roundtables and mini-workshops
- Technical exhibition (Hardware and software)

PUBLICATION POLICY

Papers submitted to 3rd International Conference on Energy and Sustainable Environment (ICESE) must comply with internationally-accepted standards for research practice and reporting, including data management, figure preparation, reproducibility, and reporting guidelines.

All papers submitted to the conference are expected to be within 15% similarity check. All decisions shall be based upon the outcome of the peer-review process. Before

submission, it is expected that authors obtain necessary permission for any part of their works.

The conference publication committee reserves the right to withdraw any paper that does not meet with international standards. Issues discovered after publication will be addressed which may lead to a correction, retraction, or expression of concern. Editorial committee also reserves the right to contact authors' institutions as appropriate.

TECHNICAL EXHIBITION

An exhibition of hardware and software items is planned for the conference. Interested organizations or individuals are invited to submit a request for permission to display their products. The request should include a short description of the material and its relevance to the conference theme. Exhibitor are expected to register for the conference.

IMPORTANT DATES

JULY 15, 2021: First round of abstracts/full papers submission

JULY 31, 2021: Notification of abstracts acceptance

AUGUST 15, 2021: Second round of abstracts/full paper submission

AUGUST 31, 2021: Acceptance of second round of abstracts/full papers

SEPTEMBER 30, 2021: Final full paper acceptance **NEW!**

CONFERENCE REGISTRATION FEE

PARTICIPANT TYPE	COST	CLOSING DATE
Early Bird	₦ 25,000.00	July 15, 2021
Regular	₦ 30,000.00	August 15, 2021
Foreign (Early Bird)	\$ 100.00	July 15, 2021
Foreign (Regular)	\$ 150.00	August 15, 2021

Publication Fee per Paper \$ 100.00

PAYMENT OPTIONS

Bank transfer to any of the following Bank Accounts: CLEARLY INDICATE "ICESE 2021" on the teller. Local Currency (Naira), Foreign Currency (USD)

Bank: UBA
Name: EMEG-ICESE
Account No: 1021631248
Dollar Account: 3002588466
Sort Code: 033173616
Swift Code: UNAFNGLA

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