

## **ANNOUNCEMENT AND CALL FOR PAPERS**

### **UNIVERSITY OF ENERGY AND NATURAL RESOURCES**

#### **INAUGURAL ENERGY AND NATURAL RESOURCES CONFERENCE 2023**

2<sup>nd</sup> – 3<sup>rd</sup> November

**THEME:** Enhancing Collaboration Between Academia and Industry for Advancing Clean Energy and Sustainable Resource Management Solutions

#### **ABOUT THE CONFERENCE**

Climate change poses a significant threat to humanity and the socio-ecological systems that support us. In response, the international community, national governments, development organizations, and the private sector are all working diligently to address the impacts of climate change and reduce greenhouse gas emissions. To achieve sustainable solutions, it is crucial to transition to clean energy sources while safeguarding our precious natural resources. These goals are aligned with the 2015 Paris Agreement, the UN 2030 Agenda the Sustainable Development Goals (SDGs) and Ghana's National Energy Transition Plan, which combine the transition to clean energy with broader social and economic objectives. However, it is evident that developing countries have not received adequate support in terms of energy transition and sustainable natural resource management. This conference aims to bring together key stakeholders who share a common goal of promoting clean energy initiatives and developing strategies for sustainable resource management. Therefore, the conference offers a platform for networking, knowledge-sharing, and intellectual exchange, foster cross-fertilization of ideas and encourages innovative solutions to support current Government policies to Ghana's Net-Zero Agenda. The conference's thematic focus includes gaining a deeper understanding of clean and renewable energy, facilitating the transition to sustainable energy systems, mitigating the environmental impact of waste disposal in the energy sector, and exploring the innovative utilization of natural resources to tackle these challenges. Join us at this conference to contribute to the global effort of enhancing collaboration between academia and industry, driving the adoption of clean energy solutions, and charting a sustainable future for our planet.

#### **THEMES AND TOPICS**

The themes and topics include but not limited to:

1. Clean and Sustainable Energy Transition means;
  - Clean energy technologies and Renewable energies
  - Sustainable energy solutions and energy transitions
  - Energy economics and energy security
  - Power systems, Energy storage technologies and systems
  - Energy demand and supply management (efficiency, conservation, and savings)
  - Smart energy grid education.
  - Sustainable transportation and infrastructure
  - Nuclear energy systems, development and power generation
  - Decentralized and distributed energy systems
  - Net Metering
  - Grid Modernization & Smart Grids
  - Renewable energy integration in built environments

2. Natural Resources – Ecosystems and Environmental Sustainability;
  - Biodiversity, ecosystem services and benefit sharing
  - Sustainable natural resources governance and management
  - Climate change, environment, law and politics
  - Sustainable land governance and management, mineral extraction, and environmental protection
  - Policy and regulatory frameworks for sustainable energy and natural resources
  - Nature-based conservation approaches in built environments
  - Sustainable mining practices and their impact on the built environment
  - Forest conservation and sustainable urban forestry
  - Biodiversity and ecosystem conservation in urban areas
3. Technology for Sustainable Energy Transition and Environmental Conservation;
  - Smart Grid Technologies and Energy Management Systems
  - Internet of Things (IoT) for Environmental Monitoring and Resource Management
  - Artificial Intelligence and Machine Learning in Sustainable Energy Solutions
  - Energy-efficient hardware design and optimization
  - Intelligent energy distribution and demand-response technologies
  - Cloud Computing for Sustainable Resource Allocation
  - Data Analytics and AI for Environmental Sustainability
  - Climate Modeling and Predictive Analytics
  - Energy Efficiency and Demand-Side Management
  - Energy Storage and Grid Integration
  - Sustainable Mobility and Transportation
  - Environmental Monitoring and Conservation Technologies
4. Sustainable development and the built environment
  - Sustainable urban planning and design
  - Green building technologies and innovations
  - Resilient infrastructure for climate adaptation
  - Circular economy in construction and architecture
  - Smart cities and sustainable mobility
  - Low carbon construction materials and practices
  - Social equity and inclusive design in the built environment
  - Sustainable water management in urban development
  - Heritage preservation and sustainable regeneration
  - Sustainable waste management strategies
  - Innovative approaches to affordable housing
  - Urban agriculture and food security in cities
  - Sustainable transportation and infrastructure

## **TARGET AUDIENCE**

Participation in the Conference is solicited from decision makers, regulators, experts, scholars, industry players, academia, graduate students' non-governmental organizations involved in

energy, natural resources, climate change, environment, economic and social development portfolios. The Conference foresees the participation of the invited speakers to provide keynote presentations and/or take part in panel discussions.

### **SUBMISSION GUIDELINE**

Submit your abstract of not more than 250 words with 5 keywords. Submitted manuscripts should be written in English conforming to the required template. All paper submissions must represent original and unpublished work. Abstracts and Papers must be submitted electronically in Word or PDF format to: [grasag@uenr.edu.gh](mailto:grasag@uenr.edu.gh) and copy: [mark.nyasapoh.stu@uenr.edu.gh](mailto:mark.nyasapoh.stu@uenr.edu.gh) Each paper should be between 7 – 10 pages, including all figures, tables, and references. Recommended font style and size are Times New Roman, 12-point size. Authors have the option to submit only abstracts for works that may not be suitable for publication. These abstracts will be considered for an oral or poster presentation during the conference. It's important to note that the abstracts themselves will not be published.

### **IMPORTANT DATES**

- Opening August 1, 2023
- Abstract Submission Deadline September 20, 2023
- Early Bird Registration: Before September 20, 2023
  - Abstract Notification: October 1, 2023
- Registration Deadline: October 15, 2023
- Camera-Ready Due: October 15, 2023
- Conference Date: 2 – 3 November

### **REGISTRATION**

	Author	Presenter	Listener
Early Bird	GH¢ 300	GH¢ 250	GH¢ 200
Academia / Industry	GH¢ 750	GH¢ 550	GH¢ 250
Students (not from UENR)	GH¢ 300	GH¢ 200	GH¢ 150
Virtual Participation	GH¢ 300	GH¢ 250	GH¢ 200
Foreigners	USD 200	USD 150	USD 100
<b>Free for all UENR Graduate Students</b>			

### **PUBLICATION SUPPORT**

Conference proceedings in addition to selected papers will be published in a Scopus or Web of Science journal abstracting and indexing (A&I) database. In addition, Keynote presentations will be refined and published as policy briefs and opinion pieces.

### **GREENING**

To demonstrate commitment to sustainability, the conference will be organized as a 'green meeting' in accordance with climate friendly environment in Ghana. There will be a focus on the areas of paper smart documentation, waste reduction and environmentally friendly catering.

### **CONFERENCE VENUE**

The Conference will take place at the Eusbett International Conference Centre, Sunyani, Ghana.

**For sponsorship please contact:** Email: [grasag@uenr.edu.gh](mailto:grasag@uenr.edu.gh) Phone: +233245620943