



# CENTRE FOR ENERGY RESEARCH & DEVELOPMENT

(Nigeria Atomic Energy Commission)  
**OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE, NIGERIA**



P R E S E N T S

2024  
**4TH**  
 BIENNIAL

**AScIN**  
 CONFERENCE

**AFRICAN SCIENTIFIC  
 INTEGRATION NETWORK**

THEME:

**PARTNERING ON ENERGY, SECURITY,  
 ENVIRONMENT AND HEALTH IN AFRICA**

Accepted papers will be published in the Journal of Nigeria Society of Physical Sciences (SCOPUS indexed)

**DATE: 15TH - 19TH JULY, 2024**

**VENUE: CENTRE FOR ENERGY RESEARCH  
 & DEVELOPMENT, OAU, ILE-IFE, NIGERIA**

## INTRODUCTION

The 4th Biennial Conference of the African Science Integration Network (AScIN 2024) is scheduled to hold from July 15 - 19, 2024 at the Centre for Energy Research and Development, Obafemi Awolowo University, Ile-Ife, Nigeria.

The African Science Integration Network (AScIN) is a forum for the exchange of the latest scientific discoveries and research ideas in the form of presentations and discussions in theoretical and experimental research in very broad areas of the physical sciences in a multidisciplinary approach. The network connects researchers and scientists from African universities with professional researchers from industry, and seeks to provide mentoring for aspiring researchers and scientists, as well as postgraduate students.

AScIN 2024 is the fourth edition of AScIN's biennial conference, whose theme is "Energy, Security, Environment and Health in Africa". This theme has been carefully chosen to mobilize efforts to meet certain challenges in critical areas of life such as energy and energy security, environmental protection and its requirements to ensure excellent and affordable health for all. These goals are fully integrated into the 17 Millennium Development Goals (MDGs), the last of which is the global partnership between countries and international institutions to achieve these goals by 2030.

### SUBTHEME

**ENERGY:** Assessment of Nuclear energy and other electricity generation technologies, Role of solid mineral in energy generation, Sustainable energy transition, Local solutions to energy access, Energy security - electricity, oil and gas, Politics of energy and sustainable supply, Energy financing for economic development, Energy materials, renewable energy, solar, wind and fuel cells, perovskite energy harvesters, energy storage, biofuel, graphene and 2D materials, Affordability and standardization of Solar Energy supply, Review of Energy Curriculum Development in Africa. Status of nuclear energy program in Africa.

**SECURITY:** Nuclear Techniques for Attaining Civil Security, Cyber space security, Militating or mitigating against insecurity using - Remote sensing, drone construction and application, Sensors and smart materials, Robotics, Artificial intelligence., Military, Economic, Border, Energy, Food, Health and Environmental Security, Ethical considerations, challenges and dilemmas in tackling insecurity, Advances in fundamental physics and mathematics.

**ENVIRONMENTS AND HEALTH** Application of Nuclear Techniques in Environmental Management and Pollution Studies, Pollution Control and Management, Biodiversity Conservation, Environmental- Health Risk Assessment and Management, Water Resource Management, Waste Reduction and Management, Ecotourism and Green Economy, Disaster risk reduction and Climate Change Adaptation, Drug delivery, Biomaterial, tissue engineering dental implants, Nanomedicine for diagnostic and therapeutics.

### ABSTRACT AND FULL PAPER SUBMISSION

[https://ascin.org/ascin/views/asn\\_conference\\_describ.php?rvv\\_cfr=4](https://ascin.org/ascin/views/asn_conference_describ.php?rvv_cfr=4)

### REGISTRATION ONLINE

<https://bit.ly/AScIN2024>

### CONFERENCE PARTICIPATION

- Physical
- Virtual

CORRESPONDING E-MAIL: [ascinconference@gmail.com](mailto:ascinconference@gmail.com)

### PAPER PREPARATION DETAILS

Abstract length: **250 Words**, Paper length: **10 Pages**, Font style: **Times New Roman**, Font size: **11 Point**, Spacing: **Single space**, Margin: **T(0.5"), B(0.5"), L(0.8"), R(0.8")**

- **Keynote Address Speaker, Dr. George. O. Essegbey**, President of African Network for Economics of Learning, Innovation and Competence Building Systems (AfricaLics).
- **Chief Host, Prof. A.S. Bamire**, The Vice Chancellor, Obafemi Awolowo University, Ile-Ife, Nigeria.
- **Host, Prof. J.F.K. Akinbami**, The Director, Centre for Energy Research & Development, CERD, Obafemi Awolowo University, Ile-Ife, Nigeria.
- **Local Organising Committee Chairman, Prof. A.Y. Fasasi**, Centre for Energy Research & Development (CERD), Obafemi Awolowo University, Ile-Ife, Nigeria.
- **Local Organising Committee Secretary, Dr. Emmanuel Ajenifuja**, Centre for Energy Research & Development (CERD), Obafemi Awolowo University, Ile-Ife, Nigeria.

### CONFERENCE FEES

#### FOREIGN PARTICIPANTS

- **Early Bird** - Physical: \$100, Virtual: \$20,
- **Late Registration** - Physical: \$150, Virtual: \$30

#### LOCAL PARTICIPANTS

- **Early Bird** - Physical: N20,000, Virtual: N10,000,
- **Late Registration** - Physical: N30,000, Virtual: N15,000

#### STUDENTS

- **Early Bird & Late Registration:** N5,000 with proof of studentship

#### EXHIBITION: N50,000

- Rates exclude paper publication charges
- An author can only submit maximum of 2 papers as corresponding author but can be co-author in more than 2 papers.

#### CONFERENCE PROCEEDING: N20,000

### IMPORTANT DATES

- Abstract Submission Deadline: **21st April, 2024**
- Abstract Review Feedback: **9th May, 2024**
- Full Paper Submission Deadline: **30th May, 2024**

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