

The abstract should be concise, typically containing the aim of the study, a brief statement of the method(s) used, the main results obtained/expected and conclusions drawn. It should not normally exceed 300 words and should generally be restricted to a single paragraph. It should include 3–5 key words.

Abstracts and papers to be sent to: [icsid2024@covenantuniversity.edu.ng](mailto:icsid2024@covenantuniversity.edu.ng). All papers submitted to the conference are expected to be not more than 15% similarity check. Authors are expected to obtain necessary permission for any part of the work.

The full paper submission template will be sent to the corresponding authors of all accepted abstracts. All full papers submitted will undergo double-blind peer review processes. All accepted papers will be published in Nigerian Journal of Technological Development (NJTD) indexed in SCOPUS

The proceeding of one of the previous conference, ICSID 2019, is available on the following links: <https://iopscience.iop.org/issue/1757-899X/640/1>.

## PROGRAMMES

Plenary and breakout sessions

Poster presentations

Technical Exhibition

Those interested in the exhibition are invited to submit a request for permission to exhibit their products.

## REGISTRATION FEES

Category of Participants	Early Bird (Ends 27th May 2024)	Late/Onsite Conference Registration	Article Publication Charge
Participants presenting full paper	N40,000	N45,000	N60,000
Participants without paper presentation	N30,000	N35,000	N60,000
Postgraduate Student participants	N30,000	N35,000	N60,000
Foreign Participants	\$150	\$200	\$200
Exhibition/ Companies	N100,000	N100,000	N100,000

## CONFERENCE WEBSITE:

For a paper to be published, one of the authors must register for the conference.

## PAYMENT OPTIONS:

Visit website for more information

Clearly indicate "ICSID 2024" on the teller.

Participants should pay registrations fees in local currency (Naira) or Foreign currency (Dollar) to the following accounts:

Bank: UBA

Name: Covenant University Civil ICSID Account Number: 1021736954

Dollar Account: 3002621028

Sort Code: 033173616 Swift code: UNAFNGLA

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## ACCOMMODATION

Please visit the conference website for available hotels. Hotel booking/Room reservations can be made by contacting: **Dr. Rapheal Ojelabi | [rapheal.ojelabi@covenantuniversity.edu.ng](mailto:rapheal.ojelabi@covenantuniversity.edu.ng) | +2348154971772**

The ICSID 2024 conference proceedings will be published in AJOL indexed in (SCOPUS)  
Contact us for more information: [icsid@covenantuniversity.edu.ng](mailto:icsid@covenantuniversity.edu.ng)

## IMPORTANT DATES

**Call for Abstract:**  
April 1 – April 26, 2024

**Notification of Acceptance of Abstract:**  
May 10, 2024

**Full paper submission:**  
April 3 – June 7, 2024

**Notification of Acceptance of full papers:**  
June 28, 2024

**Early Bird payment:**  
May 27, 2024

**Conference Date:**  
August 12 –14, 2024



**COVENANT UNIVERSITY**  
Africa's No. 1 Private University



**3RD International Conference on Sustainable Infrastructural Development (ICSID 2024)**

Theme:

**ENERGY EFFICIENCY AND SUSTAINABLE DEVELOPMENT IN THE BUILT ENVIRONMENT**

**DEPARTMENTS OF CIVIL ENGINEERING & BUILDING TECHNOLOGY**

Covenant University, Ota, Nigeria

Date:  
**August 12-14, 2024**

Venue:  
Centre for Research, Innovation and Discovery, Covenant University, Canaan Land, Ota, Nigeria

Following two successful editions in electronic format with the 2020 conference held at Covenant University, we are delighted to announce that the 3rd international conference on sustainable infrastructural development will be held in collaboration with the Department of Building Technology in CUCRID Auditorium Covenant University from 12th-14th August 2024.

The conference will be chaired by Prof. Olatokunbo Ofuyatan and organised by a team lead by Dr. Ignatus Omuh. The goal of this conference is to unite leading scientists, engineers, builders, researchers and industry experts worldwide, policymakers, professional bodies and students, facilitating the exchange of insights on recent advancements in sustainable infrastructural developments.

The focus area includes materials, environment disruptive technology, nanotechnology, smart construction and sustainable cities, Intelligent buildings, circular economy, energy, climate change, risk management, engineering education, and sustainable transport systems.

The 3rd edition of the International Conference on Sustainable Infrastructural Development (ICSID) will be held in collaboration with Building Technology at Covenant University from 12th to 14th August 2024.

On this occasion, we are pleased to invite you to participate in the conference (In person/online) and share/discuss your latest research findings.

## ICSID Key Points

- The conference brings about healthy discourse on topics pertaining to sustainable construction planning & techniques.
- The conference covers multiple topics, including contemporary innovations in sustainable energy, circular economy, smart sustainable materials, and biomimicry modular construction.
- The ICSID conference will take place in person at CUCRID auditorium, Covenant University, from August 12-14, 2024, but there will be a possibility to present online.
- Abstract (max 300 words) submission starts April 1 2024.
- The ICSID conference encourages research submissions from all regions of the world.

### SUSTAINABLE CONSTRUCTION MATERIALS

- Recycled Materials
- Concrete Durability
- Corrosion
- Cement and Supplementary Cementitious Materials
- Timber Products in Civil Engineering
- Natural Fiber
- Fiber Reinforced Concrete
- Self-compacting Concrete
- Pervious concrete
- Composite Materials in Construction
- Bituminous, Pavement and Geotechnical Materials
- Other related issues

### ENVIRONMENT

- Water Sanitation and Hygiene
- Water quality, groundwater management and conservation
- Pollution (water, air and soil), remediation
- Future water demands; Policy and Legislation
- Impacts of Land Use Change on Critical Infrastructures
- Erosion and Flood Hazard Assessment and Alleviation
- Climate Change and Adaptation
- Chemical/Mechanical Stabilization/ Ground Improvement
- Soil Stability and Landslides
- Soil Characterization: Problematic Soils – Laterites, Collapsible Soils and Soft Soils.
- Urban Planning
- Waste Management
- GIS and Remote Sensing
- Other related issues

### SMART CONSTRUCTION AND SUSTAINABLE CITIES

- Affordable Housing
- Construction Management
- Smart City
- Building Information Modelling
- Sustainable Green Design and Construction
- Simulation of Construction Operations
- Intelligent building
- Other related issues

### SUSTAINABLE STRUCTURES AND COMPUTATIONAL MODELLING

- Structural Engineering
- Bridge Engineering
- Coastal Engineering
- Geological Engineering
- Geotechnical Engineering
- Hydraulic Engineering
- Concrete Structures, Metallic Structures
- Structural Rehabilitation, Retrofitting and Strengthening
- Structural Health Monitoring
- Computational Mechanics
- Numerical Simulation and Constitutive Modelling
- Infrastructural Failure and Risk Analysis, Building Collapse
- Soil-Structure Interactions
- Dynamics of Structures
- Life Cycle Analysis of Materials and Structures
- Predictive Modelling, Spatial Econometrics and Stochastic Geometry
- Transportation modelling and simulation
- Other Related Issues

### SUSTAINABLE TRANSPORT SYSTEM

- Sustainable Road Infrastructure Urban Transport Planning and Development
- Sustainable Public Transport Systems, Policies and Governance
- Sustainable Traffic Management, Travel Behaviour Studies and Traffic Accidents
- Pavement and Transportation Infrastructure Development
- Railway, Freight, Airport Systems and Mass Transport Strategies
- Other Related Issues

### DISRUPTIVE TECHNOLOGIES

- Block Chain Technology
- Smart Grid Technology
- Nanotechnology
- Construction Informatics
- Biomimicry Modular Construction
- Artificial Intelligence
- Smart Sustainable
- Big Data
- 3D Printing

### CIRCULAR ECONOMY

- Recycling
- Reuse
- Reduce
- Refurbishing
- Retrofitting
- Waste
- Electrofitting
- Society & Culture

### ENERGY

- Energy Efficiency
- Renewable Energy
- Clean Energy
- Energy Storage
- Energy Minimization and other related
- Energy Policy

### CLIMATE CHANGE

- Flooding
- Health Risk
- Greenhouse gas and carbon emission

### CONSTRUCTION PROJECT DELIVERY

- Project delivery system
- Contract management
- Risk management
- Construction scheduling
- Quality and value
- Health and Safety
- Building production management
- Legal issues

### EDUCATION

- Collaborate learning
- Blended learning
- AI in teaching & learning
- Gamification
- Education financing and policies

### FACILITY MANAGEMENT

- Built maintenance
- Built operations
- Communication in built environment
- Facility information & technology management
- Occupancy
- Performance & quality
- Leadership & Strategy