



## 2<sup>nd</sup> International Conference on Environmental Studies and Research (ICESR2013)

**Chief Host:**

Provost, Federal College of Education(Technical), Umuze-Anambra State, Nigeria

**Congress Director:**

Professor Gerhard Bertchold, Universidad Azteca, Chalco-Mexico

**LOC Chair:**

Dr U. P.N. Amadi, Federal College of Education(Technical), Umuze-Nigeria

**About the Conference**

The International Conference on Environmental Studies and Research is organized by the African Society for the Scientific Research in collaboration with several institutions and agencies across the globe. The Conference will be held in Umuze-Anambra State-Nigeria, July 1-4, 2013.

The ICESR is a premier gathering of professors, environmental scientists, engineers, scientists, technologists, planners, managers, innovators, policy makers, students and others interested in sharing ideas, knowledge and experiences. The major objective is to provide a unique environment to sharing innovative practices, cutting-edge research and unique experiences as well as strategies.

**Welcome to ICESR 2013**

The Scientific Council of the African Society for the Scientific Research is pleased to welcome you to the 2013 International Conference on Environmental Studies and Research taking place in the beautiful township of Umuze of Anambra State-Nigeria,

The Conference intends to receive unique proposals that focus on today's critical issues on teaching and learning. The Conference format consists of general sessions, featured workshops, panels, special forums and networking opportunities.

The Conference hopes to incorporate a variety of ideas, and opinions from a wide range of diverse individuals, organizations, and groups. Professional specialization and geographic distribution of Conference participants is encouraged. We are delighted to welcome you to the Niger Delta, a land of diverse geography, history and beauty. Port Harcourt is one of the oldest cities in West Africa. It offers some unique possibilities for sight seeing. International guests, in particular, should be prepared for extra time so that they can enjoy some of the special sights.

#### **ICESR2013 Committee**

The ICESR Conference Committee is made up of the Advisory Board and Scientific Council comprising a total of 60 members, seasoned scholars of international reputation from 40 different countries divided into several sub-committees. Professor Gerhard Bertchold is Chairman of the ICESR2013 International Scientific Committee.

#### **Objective of the Conference**

The ICESR is a global event with the mission of furthering the advancement and innovation in engineering, technology, science, agriculture, teaching, learning, industry, and development. The Conference serves as a means to connect and engage professors, environmental scientists, engineers, technologists, researchers, spatial scholars, consultants, innovators, managers, policy makers and others. The event offers an opportunity to meet and share ideas. It also inspire a new generation of global scientists and technology leaders in countries around the world.

#### **Call for Papers and Panels**

Proposals are invited taking into consideration the motto, theme and sub- themes of the Conference. All proposals must be full texts. **We don't welcome only abstracts.** (See paper submission for details). The proposal's originality, its relationship to the Conference theme and the clarity of its objectives, organization and approach are factors considered in selection.

#### **THEME**

**"Our Environment and Our Future"**

#### **Topics and Sub-Themes**

- Air quality and pollution control
- Urban Space and Place
- Environmental History
- Bioenergy systems
- Biofiltration
- Environmental Education
- Biomonitoring
- Geomorphology
- Carbon footprint and sequestration
- Clean energy
- Ecological restoration
- Environmental impact assessments

- Environmental microbiology
- Geomicrobiology
- Greenhouse gasses and climatic change
- Hydrocarbon biodegradation
- Impacts on human health
- Impacts on the forests
- Land Use and management
- Land reclamation
- Microbial ecology
- Modeling and simulation
- Nanotechnology
- Remediation and restoration of oils spills in wetlands
- Remediation of contaminated soils
- Remote sensing
- Reservoir characterisation
- Rivers and freshwater aquifers
- Soil erosion
- Sustainable development
- Unconventional fossil fuels
- Waste management
- Wastewater treatment technologies
- Desertification
- Urban Planning
- Environmental Policy
- Population and Settlement
- Graduate Education and Innovations in Environmental Studies
- Distance learning (e-learning) for Environmental studies
- Curriculum development, course content and educational systems
- Methods of assessments and tools in teaching / learning
- Vocational Education and Training
- Geo-Science education
- Intellectual property rights in Geo-Sciences
- Ecology, environmental protection and Earth strata preservation
- Horticulture
- Environmental problems of mining and industrial landscape
- Natural and managed ecosystems.
- Nature conservation and sustainable use
- Integrated costal zone management
- Ecological Engineering
- Effects of globalization on natural resources
- Waste treatment and management.
- Advanced recycling technologies
- Management of industrial wastes
- Innovation for less polluting emission processes
- Methods and tools for Integrated Pollution Prevention and Control (IPPC). Best available techniques.
- Methods and tools for strategic environmental assessment (SEA) and environmental impact assessment (EIA)
- Cumulative environmental assessment
- Green competitiveness as a business strategy

- Deposit Free Industry
- Environmental monitoring and adaptive management as a tool for mitigation measures and decreasing uncertainties in the development process
- Ecology, environmental protection and Earth strata preservation
- Environmental problems of mining and industrial landscape
- Natural and managed ecosystems. Nature conservation and sustainable use
- Integrated coastal zone management
- Ecological Engineering - ecosystem management, protection and restoration
- Effects of globalization on natural resources
- Waste treatment and management. Advanced recycling technologies
- Management of industrial wastes
- Waste water treatment processes, technology and infrastructure
- Innovation for less polluting emission processes
- Methods and tools for Integrated Pollution Prevention and Control (IPPC).
- Green competitiveness as a business strategy
- Deposit Free Industry
- Environmental monitoring
- Power and renewable energy systems
- Solar technologies and applications
- Wind power plants
- Geothermal energy and technologies
- Energy-to-Waste
- BioEnergy - BioGas and BioFuels
- Hydrogen and fuel cell technologies
- Energy efficiency and management
- Air pollution and dispersion of the pollutants.
- Emissions of heavy metals and persistent organic pollutants
- Earth's climate system
- State of the ozonosphere
- Air pollution, monitoring and prevention.
- Modeling of air quality
- Carbon capture and storage
- Urban air management
- Effects of air pollution on ecosystems
- Climatic change
- Soil balance
- Hazardous elements in agricultural soils
- Organic pollutants in agricultural soils
- Environmental Health
- Safety and Industrial Studies
- Inputs into the soil
- Environmental risk assessment
- Health impact of contaminated sites
- Soil erosion and anti-erosion measures
- Soil desertification and protection
- Management and reclaiming of lands
- Development of forest area
- Reforestation and deforestation
- Forest health and development of salvage felling
- Forests in special protected areas and wetlands

- Sustainable forest management
- Multifunctional forest management and planning
- Monitoring of forest ecosystems
- Ecological, habitat and landscape evaluation models
- Forest ecosystems as an indicator of climate change
- Marine physics and chemistry
- Marine biology and ecology
- Genetics and marine biotechnology
- Cumulative effects on marine and ocean ecosystems
- Marine and ocean ecosystems
- Marine geology and archeology
- Ocean technologies
- Marine cartography, navigation and ocean mapping
- River basin and stream systems
- Groundwater resources, spatial distribution and quality
- Hydrological modeling
- Water quality and purge technologies
- Water use, standards, management and permitting
- Flood risk management
- Water scarcity and droughts
- Hydraulic problems of water systems
- Water planning and monitoring
- Micro and nano-structured materials and devices
- Micro and nano particles and applications
- Computational nanoscience and nanotechnology
- Simulation, design and modeling
- Soft micro and nano technologies and applications
- Energy technologies and applications
- Green nanotechnology, environment and society
- Decision-Making for Nanomaterials
- Web-based geospatial data and GIS services
- Spatial data modeling and data quality
- Integrated multi-sensor navigation systems
- Spatial data fusion and integration algorithms
- Integration of environmental modeling and GIS
- Wireless GIS solutions for disaster management
- Remote sensing
- Algorithms, compilers, architectures
- Programming languages and techniques
- Data modeling, complex and expert systems
- Graph theory, hybrid methods and numerical computation
- Networking, parallel systems and simulation
- Software development and engineering
- Computer aided design (CAD), distributed and embedded systems
- Grid computing, Industrial applications and Marketing
- Theoretical cartography, map projections, map design and production
- Digital cartography and GIS for sustainable development
- Geographical Information Systems.
- Spatial data infrastructures (NSDI and GSDI),
- Cartography and satellite imagery

- Virtual models, 3D and geovisualization in cartography
- Geovisualization of temporal data
- Geovisualisation in landscape planning and assessment
- Airborne photogrammetry and LiDAR
- Laser scanning and close-range applications
- Object-based image analysis and super-resolution mapping
- Technologies and facilities of remote sensing data processing
- Digital photogrammetric technologies
- Digital aerial cameras/georeferencing
- Acquisition and applications of satellite imagery.
- Geodetical measuring technique and instruments
- Methods and technologies in geodesy and mine surveying
- Cadastre, land and real estate planning and management
- Global navigation satellite systems in geodesy
- Geodetical research of geodynamical and landslide processes
- Laser scanning and advance technologies
- Geodesy and mine surveying
- Earthquake engineering and seismology
- Seismic vulnerability and risk assessment
- Non destructive testing, structural diagnostics
- Geophysics and micro-geophysics for engineering
- Structures monitoring and remote sensing.
- Volcanology and applied geology
- Geomagnetism and gravimetry
- Geophysical methods for environmental applications
- Geophysical investigations at pollution managements and waste disposal
- New methods and technologies in petroleum geology
- Characterization of unconventional gas reservoirs
- Three-dimensional visualization of the porous rock structures
- Directional and horizontal drilling and tomography methods
- Underground gas storing and reservoir modeling
- Refining, oil and gas trade and marketing
- Environment protection in petroleum industry.
- Processing of low - grade ores
- Flotation, flocculation and solid - liquid separation
- Hydrometallurgical processes
- Recovery of precious metals
- Coal preparation, desulfurization, briquetting and coking
- Communion, sizing and agglomeration
- Sampling and chemical analysis of wastes
- Decrease of foreign matter in mineral raw material intended for sale
- New techniques and technologies in open-pit mining
- New techniques and technologies of mining underground deposits
- Technique and technology of blasting activities.
- Controlled explosive demolition
- Modern technologies in the coal mining industry
- Automation of the mining industry
- Prevention and dangers in the mining industry. Strategic environmental assessment and environmental impact assessment.
- Information technologies in the mining industry

- Risk management in the surface protection
- Work safety in the mining industry
- Mechanics of the rock mass
- Mining technologies and occupational safety
- Recultivation and reclamation of areas
- Damages from mining activities
- Economics, management and design in the mining industry
- Engineering geology and geotechnics investigations
- Field investigations and laboratory analyses of rocks and soils mechanics
- Modelling in engineering geology and geotechnics
- Geodynamic processes. Geomechanics
- Slope stability – models and management
- Groundwater exploration and management
- Karst terrains and karst aquifer characterization. Groundwater extraction from karst aquifers. Ecology and vulnerability of karst aquifers
- Hydrodynamic Investigation of groundwater
- Geology of mineral resources
- Structural geology and tectonics
- Geostatistics and statistical methods in geology
- Petrology, mineralogy and geochemistry
- Sedimentology, paleontology and stratigraphy
- Alpine and glacial geology
- Quaternary geology and geomorphology
- Protection and conservation of Environmental heritage
- Rural Development
- Biomass
- Geochemistry
- Computers in Environment
- Plant and Tree Studies,
- Sea Studies and Marine
- Forestry
- Hydrology
- Land Use and Policy
- Ecological agriculture
- Green farming and organic agriculture
- Renewable energy resources, including solar, winder power and biomass;
- The techniques for sustainable and solar building
- Greenhouse Photo-Voltage Generation ;
- Wind/PV hybrid system and wind power generation system;
- Biomass energy utilization new technology
- Forest and seaweed bio-energy,
- Ecology and Nature Conservation,
- Waste Management
- Astronomy
- Energy and Environment;
- Geography;
- Geology and Geophysics
- Water and Sanitation
- Meteorology and Climatology
- Marine Biology and Sciences

- Wildlife Management
- Environmental Engineering
- Optical Remote Sensing of the Environment
- Radiation Protection, Radiation
- Civil Engineering;
- Oil and Gas Technology;
- Architecture,
- Building Technology.
- Built-Up Environment
- Economic and environmental objectives
- Environmental legislation
- Environmental strategies and policy
- Environmental case Studies
- Economic instruments in environmental policy
- Eco-Management and Audit Scheme (EMAS).
- Life cycle assessment
- Cost-benefit analysis
- Environmental expenditure of enterprises
- Eco-innovations for sustainable development
- Natural resources management
- Planning and assessment
- Environmental evaluation and decision-making
- Social issues and environmental policies
- International and domestic strategies for the environment
- Public-Private partnership and environmental management
- Pollution
- Recycling of industrial wastes
- Recycling of municipal refuse and wastes

### **Who Should Attend**

This is an excellent opportunity for scholars to come together from all over the world to share their works, experiences and ideas by presenting paper or by simply observing, and as with all likely events, there will be a number of programs and activities.

The Conference attracts a range of environmental scholars, engineers, technologists, scientists, researchers, innovators, teachers, planners, activists, managers, professionals and others. Attendees join together to share ideas, experiences, views and their passion for quality teaching and learning.

If you want to chair a session, organize a panel, evaluate papers to be published in the congress proceeding, books or journals, contribute to the editing or any other offer to assist, please send an email to the secretariat.

### ***Corporate Participation***

As a global event for the advancement and innovation in learning, industry and technology a wide range of opportunities are available to present research-oriented/industrial papers. Corporate bodies can showcase and market their products and services. For information about corporate showcases and other corporate activities, please contact the secretariat.

### **Important Dates**



- **Submission Deadline**  
*Until June 30, 2013*
- **Registration Deadline**  
*Early Bird: Until March 31, 2013*  
*Late: As from 1<sup>st</sup> April, 2013*
- **Conference dates**  
*July 01-04, 2013(Umunze, Anambra State-Nigeria)*

### **General Submission Information**

The Scientific Council of the ICESR2012 accepts only full-texts (ie abstracts and main text) together as proposals. All proposals must be in **English**. All proposals must adhere strictly to the instructions for formatting their submissions. Please see guidelines for presentations. All proposals must be accompanied with **Proposal form**. All submissions are subject to a blind review process. Papers submitted after **June 30, 2013** may not be published in the Conference Proceedings.

### **Categories of Presentation**

The Technical Program of the Conference includes a wide range of submissions and activities designed to facilitate the exchange of ideas and information:

- Keynote Speakers/Invited Speakers
- Academic Papers
- Posters
- Tutorials
- Best Practices
- Roundtables
- Showcases
- Workshops
- Symposia

**Note:** Authors who are unable to attend will have the conference materials posted to their addresses immediately after the Conference. Please contact the conference secretariat for more details.

### **Submission Requirements**

- Please see the guideline( **see Information for Authors**)
- All proposals must be in English.
- At least an author of each paper must be registered and pay the appropriate Conference fee.
- All communication will be with the corresponding author.
- Participants who registered for the Conference but unable to attend will have the Conference materials mailed to their registered contact address.
- All presenters must present at the time scheduled by the Committee. Requests for specific time slots will not be accepted
- The Conference provides basic equipment for presenters.
- ICESR can offer limited financial support for participation.
- All Participants must pay appropriate Conference registration fee. However, we strive to keep our registration fee low for all attendees.
- Presentations that advertise commercial products will not be accepted. However, if you have a commercial product to show case, for exhibition or marketing, please contact the secretariat.

## Information for Authors

1. The paper should be A4 format. Left, right, top and bottom margins should be 2.00 cm each. English is the official language of the conference.
2. Title should be 14-point, all in capital letters, bold and centered.
3. Font size throughout the paper should be 12-point in Garamond, in single space, and justified.
4. The whole text should be written with “Garamond”.
5. Do not give page numbers for the paper
6. A blank line should be left after the title. Names of authors, affiliations and e-mails should be provided after the title.
7. Following the authors’ information, a 200-word abstract should be provided with five keywords. The “**Abstract**” should be a summary of the paper.
8. Graphics and pictures should be prepared in black and white.
9. One blank line should be allowed between the components of the paper (i.e. introduction, methods and procedures, results, conclusion, references.). Main headings should be centered, bold and capitalized. The second level of headings should be title case and bold. The third level should be italicized and upper- and lower-case heading.
10. For titles of tables, graphics and pictures, sentence case should be used.
11. Texts used in Tables, graphics and pictures should be Garamond. The font size can be reduced to 10 pt.
12. **References** should be at the end of the paper and should be listed alphabetically. References and citations within the text should be prepared in the APA format.
13. Abbreviations should comply with the standard use. They should be given in full format at the first place they are used.
14. The paper should be maximum 10 pages
15. SI unit should be employed where applicable
16. Only proposals containing abstract and full texts are acceptable. We do not welcome only abstracts.
17. All submissions must be by email attachment preferably in MS words. We do not accept hard copies
18. All papers must adhere to this template in format. No paper can be processed if not formatted according to the stated rules and regulations.
19. Papers submitted after June 30, 2013 may be presented at the conference but they may not be published in the conference book
20. The first 50 registered participants will collect free copies of our previous publications.
21. All papers should be submitted to [icesreditor@gmail.com](mailto:icesreditor@gmail.com)

## Selection Criteria

All proposals (in English) are selected on basis of clarity, quality and relevance to the Conference theme and Sub- themes. A blind review process will be used to evaluate all submissions. ICESR regrets that it cannot select all proposals submitted. It should not be assumed that prior participation in our event guarantees selection for ICESR2013. Space is limited.

## Best Paper Awards

A sub-committee on Best Paper Awards will consider outstanding presentations for several designated awards. The yardstick is quality, innovation and application. All accepted papers are eligible for consideration. There will be an Award for Outstanding Student Paper. Award winning papers will receive certificates and will be highlighted in future ASSR events.

### **Registration**

All Participants must complete the registration form. Payment of Conference registration should be made in USD in the form of bank transfer (all costs at Participant's charge). We request that you send us a computer print-out copy of the bank transfer and the duly completed registration form by email attachment. Additional information is provided on the registration form. Without the receipt of your completed registration form, print-out copy of the bank transfer and signed Copyright Agreement, it means you are not registered for the Conference.

### **Conference Fees**

<b>Conference Registration:</b>	<b>International</b>	<b>Local</b>
<i>Registration:</i>	US \$150	N25500
<i>Registration at Venue</i>	US\$180	N30000
AATL/ASSR Members	US \$90	N13000
Student Registration	US \$30	N3800
Listeners only	US \$40	N5500
Corporate Participation	US \$200	N30000
Membership Registration	US \$40	N5500

**NB:** Payment in local currency is only possible for delegates resident in Nigeria.

**Name of Bank Account: Beverly Resources**

**Bank Account No: 1015407653**

**Name of Bank: United Bank for Africa PLC (UBA)**

**Subject: ICASE2013**

### **Entitlement of Registered Delegates**

- Entry to all sessions of the Conference
- Conference bag/tag
- Conference gift items
- Coffee breaks
- Certificate of Participation
- Certificate of Authorship (paper presenters only)
- Congress programme
- Admission to social/cultural/tourist activities
- Conference proceedings
- Invoice / receipt of payment
- Cocktail of the Conference
- Special hotel booking at discounted rate
- Onsite wireless network
- Technical support
- Conference group Photos

### **Publication**

Each paper will be included in conference programme. Authors of all selected papers will have their works published in the Conference proceedings with ISBN/ISSN. Papers

of best quality will be published in some selected journals or other publications (ISSN).Some carefully selected papers will be available online.

## Practical Information

### Accommodation

Cheap hotels are available around the conference venue. Information on accommodation is available on request. The hotel offers reduced rates for conference delegates. Delegates may make other arrangements if they wish. If any participants need accommodation, the conference organizers can reserve rooms for them. Price of accommodation ranges from US\$35 to US\$150 per night.

### Visa and Travel Information

International guests visiting Nigeria may require a visa. Visitors from West Africa do not need a visa. Participants should contact the Nigerian Embassy or Consulate nearest to them for more information. Registered participants who need Invitation Letter/Acceptance Letter to facilitate their visa application can send us email. Detailed requirements for visa application can be obtained from the nearest Nigerian Embassy.

### Insurance and Inoculations

Visitors entering Nigeria require travel/health insurance and some medical inoculations according to immigrations laws. International participants should contact the nearest Nigerian Embassies/High Commissions/Consulates and the requirements for travel/health insurance and inoculations.

### Advertising and Exhibitions and Sponsorship

The ICESR would remain indebted for sponsorships and donations to support their events. All donations shall be acknowledged. Donors and collaborators will have their names and/or logos placed on the Conference official website.

The ISC welcomes requests for placing adverts on the event programme, Conference materials, etc. We also invite corporate agencies/individuals or Associations that wish to make exhibitions, trade fair during the events. Adverts and exhibitions may be charged.

Conference Programme	Dimensions	Rate:
Back cover	8-1/2" x 11"	\$250 (N40,000)
Inside back cover	8-1/2" x 11"	\$150(N25,000)
Inside front cover	8-1/2" x 11"	\$150(N25,000)
Full page (within First 5 pages of the program)	8-1/2" x 11"	\$120(N20,000) ( 5 Spots available )
Full page (within Last 5 pages of the program)	8-1/2" x 11"	\$120(N20,000) ( 5 Spots available )

**Booth Fee - \$500 or N75, 000.**Booth Fee includes:

Standard 10' x 10' booth

- o 3' high side dividers, 8' high backdrop
- o One 8' standard table covered and skirted
- o Two Chairs, Wastebasket, A/C Power

2 exhibitor badges per booth

Company listing in the conference program

**Conference Bags (\$750 or N120,000)** - Have your company logo imprinted onto the conference bags for great exposure during and after the conference. These cloth bags will have your company/university logo (one-color) imprinted on one side, along with the conference title/year.

**Coffee/Refreshment Breaks (\$500 or N75,000 each)**- Sponsor the daily refreshment breaks for the conference attendees to keep them going strong. Break sponsorships are available on a per day basis. Signage will be provided to display your company/university as the break sponsor.

**Print Station (\$500 or N75,000)**- Sponsor the conference print station that allows attendees to print session handouts, boarding passes, emails, etc. Signage will be provided to display your company/university as the station sponsor.

**Internet Cafe (\$500 or N75,000)** - Our 10 computer internet cafe allows attendees to surf the web and keep in touch with email while at the conference. We will display your logo as the desktop background on each computer along with providing signage that boasts your company/university as the sponsor.

**Dinner/Lunch (\$5000 or N750,000 each)** - Daily buffet dinner/Lunch provides the conference attendees with an excellent meal to start the day. Sponsorships are available on a per day basis. Signage will be provided to display your company/university as the breakfast sponsor.

**Conference Bag Inserts (\$750 or N120,000)** - Insert your promotional materials including Call for Papers, Subscription forms, Adverts, Brochures etc directly into each attendees bag for excellent exposure. All promotional materials must be approved by the conference prior to acceptance of the materials.

**Badge Holder Lanyards (\$700 or N100,000)** - Have a small company logo imprinted onto the badge holder lanyard of attendee. These lanyards will provide great exposure as attendees wear their name badges daily.

**For more information, contact: Beverly Resources(Consultants & Marketers), Tel:+2348023066572. email: [beverlyresources@gmail.com](mailto:beverlyresources@gmail.com)**

### **Contact Information**

For more information or clarification on any aspect of the Conference, please contact the conference secretariat, (**Dr U.P.N Amadi**, Co-Chair, ICESR2013 International Scientific Committee, email: [icesreditor@gmail.com](mailto:icesreditor@gmail.com))