

WATER AFRICA AND WEST AFRICA BUILDING & CONSTRUCTION

INTERNATIONAL TRADE EXHIBITION & SEMINARS 2022

Accra International Conference Centre, Ghana

08-10 June 2022



Provisional Seminar Programme Water Africa & West Africa Building and Construction 2022 Accra International Conference Centre 8-10 June 2022

Water and Sanitation Seminar Wednesday 8 June 2022

Theme: "Meeting Africa's Water, Sanitation and Environmental Challenges in the 21st Century"

Chairman for Opening Ceremony and Water Seminar: **Ing. Kwabena Agyei Agyepong, Executive Director, West African Federation of Engineering Organisations (WAFEO).**

- 09.00 Registration
- 10.00 Welcome Address – ACE Event Management Ltd.
Introduction of Guest of Honour: **Hon. Cecilia Dapaah, Minister of Sanitation and Water Resources.**
- 10.10 Official Opening and Keynote address by the Guest of Honour:
Hon. Cecilia Dapaah, Minister of Sanitation and Water Resources.
- 10.30 Official Tour around the exhibition with the Guest of Honour: **Hon. Cecilia Dapaah, Minister of Sanitation and Water Resources and Tracey Nolan-Shaw, Managing Director of ACE Event Management.**

Delegates are invited to join the Minister to meet the exhibitors.

Seminar Programme begins:

- 11.10 **Flood Mitigation - The Greater Accra Resilient and Integrated Development Project**
Presenter: **Dr John Kissi.**
Organisation: Ministry of Works and Housing, Ghana
- 11.35 **Water for Everybody: Solutions for a Better Kind of Life**
Presenters: **Valeria Cupis***, Fausto Pignini, Attilio Bianchi, Marco Verdini, Davide Pignini
Organisation: Tecnoteam S.R.L, Italy
- 12.00 **Impact of Illegal Mining on GWCL Drinking Water Treatment Plant**
Presenters: **Sadique Anyame Bawa***, Prince Antwi-Agyei, Martin K. Domfeh
Organisation: University of Energy and Natural Resources (UENR), Ghana
- 12:25 Questions and Answers Session



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- 12.35 **PANEL DISCUSSION – Safe Drinking Water - Latest Technologies, Strategies, and Innovation**
MODERATOR - **Walid Khoury**, *General Manager, Desalytics Water Solutions*
Panellists: To be confirmed
- 13.15 **Light lunch and chance to meet the exhibitors**
- 14.15 **Unpacking the risks in plastic packaged drinking water: Restrict phthalates**
Presenters: **Prosper N. Angnunavuri**^{*}, Prof. Francis Attiogbe
Organisation: Dept. of Civil & Environmental Engineering, School of Engineering, UENR, Sunyani, Ghana
- 14.40 **The Debate on Shared Sanitation and Achieving SDG 6**
Presenters: **Prince Antwi-Agyei**^{1*}, Isaac Monney², Kwaku Amaning Adjei³, Raphael Kweyu⁴ and Sheillah Simiyu⁵
Organisations: ¹Regional Centre of Energy and Environmental Sustainability (RCEES), University of Energy and Natural Resources (UENR), Sunyani, Ghana.
²Department of Environmental Health and Sanitation Education, Akenten Appiah-Menka University of Skills Training and Entrepreneurial Development, Mampong-Ashanti, Ghana;
³Department of Civil Engineering, Regional Water and Environmental Sanitation Centre (RWESCK), KNUST, Kumasi, Ghana.
⁴Department of Geography, Kenyatta University, P.O. Box 43844, Nairobi 00100, Kenya.
⁵Urbanisation and Well-being Unit, African Population & Health Research Center, Kenya.
- 15.05 **Waste Water To Hydrogen – WWTH**
Presenter: **Antonio Spadaccini**
Organisation: Pansoinco, Italy
- 15.30 Questions and Answers Session
- 15.40 **Drought Monitoring with Earth Observation Tools: Considering Soil Wetness Index**
Presenter: Ing. **Francis N. Ocansey**
Organisation: Centre for Digital Earth Analytics (CEDAS), Ghana
- 16.05 **Data Needs for Modelling of Flood Mitigation and Adaptation Measures**
Presenter: **Kodwo Beedu Keelson**
Organisation: Ministry of Works and Housing, Ghana
- 16.30 Questions and Answers: Wrap up of the day
- 16.40 **Another chance to go and see the exhibitors.**

***All attendees will receive a Certificate of Attendance on Friday 10th June**

Remember to come back tomorrow for:

“Infrastructural Challenges Facing Africa in the 21st Century”

Free Registration please go to: <https://enclaveafricasystems.com/water-africa-and-west-africa-building-construction-2022-online-registration/>



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Building and Construction Seminar

Thursday 9th June 2022

Theme: “Infrastructural Challenges Facing Africa in the 21st Century”

Chairman for Opening Ceremony and Building and Construction Seminar: **Mr Rockson Dogbegah, Executive Chairman, Berock Ventures, Vice-President, Chartered Institute of Building-Africa**

- 09.00 Registration
- 10.00 Welcome Address – ACE Event Management Ltd.
Introduction of Guest of Honour: **Hon. Francis Asenso-Boakye, Minister of Works and Housing.**
- 10.10 Official Opening and Keynote address by the Guest of Honour:
Hon. Francis Asenso-Boakye, Minister of Works and Housing.
- 10.30 Official Tour around the exhibition with the Guest of Honour: **Hon. Francis Asenso-Boakye, Minister of Works and Housing** and **Tracey Nolan-Shaw, Managing Director of ACE Event Management.**

Delegates are invited with the Minister to meet the exhibitors.

Seminar Programme begins:

- 11.10 ***Housing by Income Levels: Alternative Approach to Reducing Housing Deficit***
Presenter: Pln. **Alfred Kwasi Opoku** (FGIP)
Organisation: JEA VCO Associates Limited, Ghana
- 11.35 ***The Impact of the New Norm on Construction Projects***
Presenter: Dr **Sam Amegayibor**
Organisation: GREDA (Ghana Real Estate Developers Association), Ghana
- 12.00 ***Make Africa Green Again – New Development Models for New Opportunities***
Presenter: Engr. **Ilaria Raimondi***, Attilio Bianchi, Ilaria Raimondi, Paolo Cittadini
Organisation: Flex House System, Italy
- 12:25 Questions and Answers Session



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- 12.35 **PANEL DISCUSSION – Innovations in Building and Construction - Addressing the Housing Deficit**
MODERATOR – Dr **Stephen Yirenyi** (DSc., FGIP), *V. President* Commonwealth Ass. of Planners, *Managing Consultant* SSYY Dev. Consult & CEO De Hilda Group of Companies, Ghana
Panellists: To be confirmed
- 13.15 Light lunch and chance to meet the exhibitors
- 14.15 **Timber Constructions in Africa: Fasteners and Durability**
Presenter: Eng. **Jacob Nyanja Yabavomi**
Organisation: Rothoblaas Srl, Italy
- 14.40 **Innovative Ideas for New and Emerging Chemical Risk Related to Occupational Safety & Health in Construction Industry**
Presenter: **Providence N. Akpa**
Organisation: QHSE Services Provyda Ltd, Nigeria
- 15.05 Questions and Answers Session
- 15.15 **Sustainable Development Goals: The Implementation Blues in Northern Region, Ghana**
Presenter: Pln. **Alfred Kwasi Opoku** (FGIP)
Organisation: JEA VCO Associates Limited, Ghana
- 15.40 **Application of CWIS SAP Tool: Case Study of Tema Metropolitan Assembly in Ghana**
Presenters: Bertha Essel, **Bertha Darteh***, Goufrane Mansour, Mithra Vasudevan
Organisation: TMA and Agua Consult, Ghana
- 16.05 **Blue Infrastructure – The Confluence between Gray and Green Infrastructure**
Presenter: Prof. **Bob Andoh**
Organisation: Liverpool John Moores University, UK
- 16.30 Questions and Answers: Wrap up of the day
- 16.40 **Another chance to go and see the exhibitors.**

***All attendees will receive a Certificate of Attendance on Friday 10th June**

Remember to come back tomorrow for CPD Course and Workshop:

**“Paradigm Shifts in Urban Water Management:
Innovative Technologies and Green Solutions”**

Free Registration please go to: <https://enclaveafricasystems.com/water-africa-and-west-africa-building-construction-2022-online-registration/>

All presentations will be uploaded on the ACE Event Management website www.ace-events.com from 31st July



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CPD Course and Workshop @ Accra International Conference Centre
from 9:30am to 12:30pm on **Friday 10th June 2022**

Topic:

**“Paradigm Shifts in Urban Water Management:
Innovative Technologies and Green Solutions”**

Instructor:

Prof Bob Andoh



- Do you want to understand the true nature of water and implications of the Half-Hydrological Cycle in the increasing prevalence of flooding and droughts and how this may be amplifying climate change impacts in urban environments globally?
- Learn about the evolution of conventional urban water drainage systems, how these have contributed to public health gains in the 20th Century but now; how these conventional systems have limitations in dealing with 21st century urban water management challenges.
- Obtain knowledge of emerging paradigms and an understanding of the need for shifts from conventional approaches; providing insights into how these newer paradigms are leading to more sustainable approaches to urban water management; leveraging Blue, Gray and Green Infrastructure with distributed systems controls that mimic natural systems.
- Gain insights into Innovative Technologies that are being combined with the newer paradigms, supported by appropriate and enabling regulatory regimes, to deliver more cost-effective, sustainable, adaptable, and resilient urban water management systems that address 21st century needs and challenges whilst resulting in the evolution of Environmental Technologies industries, providing opportunities for jobs creation at the local level.
- Find out what you can do individually and as part of a “collective” community; to effect changes and adopt measures that improve Urban Water Management in the 21st Century; beginning with the **5-R’s** of Urban Water Management (Reverence/Respect, Reduce, Reclaim, Re-Use, Recycle) as an integral part of a heightened awareness for good Environmental Stewardship.

ABSTRACT

CPD Course/Workshop on developments in Integrated Urban Water Management (IUWM) to address 21st century flooding, pollution, and environmental degradation challenges, resulting from rapid urbanization globally. Participants will gain more experiential based and practically oriented knowledge and insights into newer paradigms, innovative technologies, and the leveraging of these as Blue Infrastructure in the confluence between the conventional Gray and the emerging Green Infrastructure solutions. The need for the evolution of appropriate Policies and related Regulatory Frameworks that promote these newer paradigms and facilitate the development and leveraging of innovative Environmental Technologies that provide improved scope for the promotion of Climate Change resilient Infrastructure and the evolution of Environmental Technologies based industries with associated Jobs creation and heightened Environmental Stewardship is underscored.



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Professor Bob Andoh

Bob Andoh is a visiting professor at Liverpool John Moores University and Technology Consultant at AWD Consult Inc. He is an editor for Elsevier's Scientific African Journal and was formerly the Director of Innovation and CTO at Hydro International plc, overseeing and championing the development, and commercialization of a range of award-winning water and environmental technologies. He received a SMART award for innovation given by the UK Government Department of Trade and Industry (DTI) and is a named inventor on several patents. Bob is the inaugural recipient of "Outstanding Individual Contribution to the Water Industry" IWEX Innovations (now "UK Water Industry Achievement") award.

Attendees will receive a certificate of attendance showing Ghana Institution of Engineering CPD Credits

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