



Air Sensors International Conference
Advancing Science and Engaging Communities
October 17 - 19, 2023 Accra, Ghana

Hotel Reservations

ASIC has negotiated reduced rates at a few hotels in downtown Accra near the conference venue. If you are interested in reserving a room through our discounted rate, please fill out the form on our website. This will not be an official reservation, but a request for a reservation under the discounted rate.

Central Hotel

5 Julius Nyerere Road, Ridge
Cost per night: \$100 (plus taxes)

<https://centralhotels.com.gh/ridge-hotel/>

La Villa Boutique Hotel

No. F856/1 Nii Saban Atsén Road, 13th
Lane, Osu Ringway, Accra

Cost per night: \$175 (plus taxes)

<https://www.lavillaghana.com/>

Accra City Hotel

Barnes Road, Accra
Cost per night: \$200 (plus taxes)

<https://www.accracityhotel.com/>

Crystal Palm Hotels

JQ38+6M6, Tenth St, Accra
Cost per night: \$80 (plus taxes)

<https://crystalpalmhotels.com.gh/>

**Hotel Reservation
Request**

Ghana Program Poster Presentations

In addition to the full lineup of podium presentations, we also have a stellar list of posters and lightning talks this year! These principal presenters have been invited by our Technical Program Committee to share their expertise on this year's conference topics. We welcome you join us in-person or virtually to learn from these researchers, academics and practitioners!

----- Community Based Participation in Using LCS -----

Utilizing Communication Strategies to Increase Public Engagement on Air Pollution

Presented by: Mr. Church Essien, *University of Uyo*

Poster Abstract

----- Data Collection, Analysis and Interpretation -----

Spatial and temporal monitoring of PM2.5 using low-cost sensors in Burkina Faso

Presented by: Dr. Bernard Nana, *Ecole Normale Superieure*

Analysis of PM2.5 and PM10 Particles from Low-Cost Sensor Networks in Major Urban Cities of Ghana

Presented by: Mr. Emmanuel Appoh, *Afri-SET Evaluation and Testing Facility, Department of Physics, University of Accra, Ghana*

Air Pollution and Climate Variability in the Humid Tropical Environment of Nigeria

Presented by: Dr. Felix Paul, *University of Uyo*

Air Quality Index and Health Dynamics in the Changing Climate of the Humid Tropical Environment of Nigeria

Presented by: Dr. Felix Paul, *University of Uyo*

Influence of Wind Speed, Wind Direction, Relative Humidity, and Seasonal Variability on Ambient Air Quality in Kampala Meteorological Area

Presented by: Mr. Fidel Wabinyai, *AirQo*

The Difference Between Accurate and Reliable Data to the Concentration of Atmosphere Constituents

Presented by: Dr. Robert Mbiake, *Universite of Douala*

Gender-dependent distribution of exposure reduction from LPG adoption in Techiman, Ghana

Presented by: Ms. Misbath Daouda, *Columbia Mailman School of Public Health*

Emissions from the transport sector, using low-cost, passive sampling indicate potential threat to human health in Johannesburg, South Africa

Presented by: Dr. Raeesa Moolla, *University of the Witwatersrand*

Unlocking the Potential of Low-Cost Air Pollution Sensors: Insights from the QUANT Project

Presented by: Dr. Sebastian Diez, *Universidad del Desarrollo, University of York*

Establishing an Integrated Ambient Air Quality Monitoring Network in The Gambia Using Low-Cost Air Sensors: The Permian Health Clean Air Initiative

Presented by: Dr. Sunkaru Touray, *Permian Health / The Lung Institute*

AirQo Data Logger: A low-cost approach to reference grade monitors data retrieval

Presented by: Mr. Joel Ssematimba, *AirQo*

Understanding PM2.5 variation based on ground activities in Punjab, India

Presented by: Dr. Vignesh Prabhu, *Center for Study of Science Technology and Policy*

Performance evaluation of multiple air pollution sensors: Case of an Indian coastal city

Presented by: Dr. Sreekanth Vakacherla, *Environmental Defense Fund*

Presented by: Dr. Imoh Ekpa, *Federal University of Technology Ikot Abasi*

**Poster
Abstracts**

----- Data Utility & Action for Air Quality Management -----

Air Quality Monitoring and Analysis: A Case Study of Akwa Ibom State

Presented by: Mr. Dan Paul, *ClimAQ Nigeria*

Effect of Air Pollution on Human Health Status in Akwa Ibom State

Presented by: Mr. Ini Jimmy, *The Speakers' Network*

Medical Implications of Air Contamination in selected polluted areas of Nigeria

Presented by: Mr. Victory Dennis, *University of Uyo*

Characterizing Aerosol Sources from Low-Cost Particle Sensors

Presented by: Dr. Vikas Kumar, *Indian Institute of Technology Bombay*

The Influence of Nearby Pollution Sources on Ambient Air Quality: A Case Study of Ho, Tamale and Takoradi

Presented by: Mr. Maxwell Seyram Sunu, *Environmental Protection Agency, Ghana*

**Poster
Abstracts**

----- Policy Management -----

Enhancing Community Participation in Air Quality Management: A leverage on Climate Change and Health Frameworks in Kenya

Presented by: Dr. Godwin Opinde, *Kenyatta University*

Inseparable link between Air Pollution and Climate Change: Cleaning the Air as a Strategy for Climate Change Mitigation

Presented by: Dr. Solomon Bililign, *North Carolina A&T State University*

**Poster
Abstracts**

----- Making Sense of Sensor Data -----

Hardware Measures, Software Models

Presented by: Dr. Sebastian Diez, *Universidad del Desarrollo*

Poster Abstract

Utilizing Various Communication Strategies to Increase Public

----- Engagement on Air Pollution -----

Role of Researchers and Communication Experts in the transfer of knowledge relating to air pollution: Mastery of the knowledge transfer process

Presented by: Dr. Robert Mbiake, *Universite of Douala*

Air quality data collection, analysis and interpretation

Presented by: Mr. Nsikak Charles, *Tropical Research and Conservation Center*

**Poster
Abstracts**

Adapting Low Cost Sensors for Smart Air Quality Monitoring

----- Quality Monitoring in African Cities -----

A Sensor Evaluation Centre for Africa: Afri-SET

Presented by: Dr. Allison F. Hughes, *University of Ghana*

Design, testing and cost analysis of low-cost air quality monitoring systems

Presented by: Dr. Jacob Mbarndou, Research Centre for Nuclear Science and Technology, Institute of Geological and Mining Research, Yaoundé, Cameroon

AirQo sensor kit: an air quality sensing kit custom designed for low-resource settings

Presented by: Mr. Joel Ssematimba, *AirQo*

Design and Development of Indoor Occupancy Sensors for Enhanced Energy Conservation in University of Lagos, Akoka, Lagos, Nigeria

Presented by: Mr. Manessah Shitta, *National Centre for Energy Efficiency and Conservation (Energy Commission of Nigeria), University of Lagos, Akoka, Nigeria*

Development of a Correction Model for Low-Cost Sensors for Ambient PM2.5 Monitoring in the City of Mombasa

Presented by: Mr. Moses Njeru, *University of Nairobi*

Characterizing PM2.5 levels in Basic schools of Purple Air (PA) monitors in rural communities in Ghana

Presented by: Mr. Mujtaba Mohammed Nuhu, *Kintampo Health Research Centre*

NILU's Sensor Data Infrastructure: Innovative Management of Air Quality Sensor Networks

Presented by: Dr. Nuria Castell, *NILU - Climate and Environmental Research Institute*

Assessing the Spatial Transferability of Calibration Models across a Low-Cost Sensors Network

Presented by: Mr. Vasudev Malyan, *Indian Institute of Technology Bombay*

Performance Evaluation of low-cost Atmotube sensors for air quality measurements

Presented by: Ms. Aishah Shittu, *University of Leeds*

Sensing the city: The why and how of sensor network operation and data for mapping multiple air pollutants (and noise pollution) in sub-Saharan Africa

Presented by: Dr. Raphael E. Arku, *Department of Environmental Health Sciences, School of Public Health and Health Sciences, University of Massachusetts*

**Poster
Abstracts**

Mobilizing Resources to Support Air Quality Monitoring Research

Philanthropic Opportunities in the Global Air Quality Data Landscape

Presented by: Dr. Christa Hasenkopf, *Energy Policy Institute at the University of Chicago*

Poster Abstract

Registration

Registration is open!

ASIC brings top scientists from around the world to share their research findings and discuss new approaches and methods to



improve on our ever-developing understanding of air quality sensors. Find registration information and forms in the links below. Be sure to share the conference with friends and colleagues!

Registration Information

Share the Conference

Questions? Contact the Conference Manager, Sandra Hemingway at sehemi@ucdavis.edu.



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