CURRICULUM VITAE OF
LOUVIS BOAKYE

PERSONAL INFORMATION

NAME: Louvis Boakye
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RESEARCH INTEREST

- Land use and land cover change detection monitoring

- Land Degradation monitoring using geospatial techniques

- Crop monitoring using GIS and Remote Sensing

- Environmental Risk monitoring using geospatial techniques

- Climate Change

EDUCATION HISTORY

Jan 2022 - Present	Kwame Nkrumah University of Science and Technology, Kumasi **(PhD Student)**
Aug 2010 – Nov 2013	Kwame Nkrumah University of Science and Technology, Kumasi
	M.Sc. Geomatic Engineering
Aug 2005 – Jun 2009	Kwame Nkrumah University of Science and Technology, Kumasi
	BSc. Geomatic Engineering

PROFESSIONAL TRAINING

Oct. 30 & 31, 2022   GEO-LDN Initiative Training (GEO-WEEK 2022)

(Certificate – Perspectives on Land Degradation Neutralization-Monitoring and Beyond)

Sept. 19 & 20, 2022   NASA'S Applied Remote Sensing Training (ARSET)

(Certificate - Selecting Climate Change Projection Sets for Mitigation, Adaptation and Risk Management Application)

Apr. 2014 - May 2014   World Bank Institute - E- Course-Spring 2014

(Certificate - Street Addressing and Management of Cities)

CAREER HISTORY

2022 - Present   **Ass. Lecturer, University of Energy and Natural Resources**
Dept. Of Geospatial Sciences, Box 214, Sunyani

Responsibilities: Lecturing; Remote Sensing and Image Analysis, Geographic Information System (GIS), Land Surveying, Satellite Radar and communication. Supervision of students' projects/applied research. Assisting student in Laboratory/workshop/fieldworks.

2018 - 2022   **Ass. Lecturer,** KAAF University College, Geomatic Engineering Department, Box WU177, Budumburam-Kasoa

Responsibilities: Lecturing; Remote Sensing and Image Analysis, Geographic Information System (GIS), Engineering Survey, Marine and Geodetic Science. Supervision of students' projects/applied research. Assisting student in Laboratory/workshop/fieldworks.

2017 - 2018   **Research Assistant**

Project: Forest 2020

Client: Department of Silviculture and Forest Management Faculty of Renewable Natural Resources, KNUST

2014 - 2017   **Geomatic Engineer,** Geomatrix Eng. Service, Box UP 923, KNUST

Project: ECG Asset Mapping, Greater Accra

Responsibilities: Prepare a base map of all ECG assets with RTK GPS surveying method. And to produce an output map in AutoCAD and GIS format.

2013 - 2014	**GIS/Mapping Specialist**

Project: Agro - Processing and Sawmill Wastes, A Biomass- Based Assessment for Grid Connected Electricity Generation

Client: Energy Center, KNUST; Consulting for GEDAP 2015/16

2011-2012	**Graduate Assistant,** Geomatic Engineering Department, KNUST.

Responsibilities: Assisting undergraduates in GIS and Remote Sensing, Land Surveying tutorial and practical sections. And also assisting in data collection for research work and thesis writing

2011– Aug. 2011	**Field Surveyor/Research Assistant**

Project: Annual Crop GIS Mapping and Data Collection Programme with ACDI-VOCA, USAID sponsored programme; Upper West Region. **Responsibilities**: Execute GIS mapping of farms with hand-held GPS and Administering of Research Questionnaire

2009 - 2010	**GIS/Mapping Specialist**

Project: GIS Based Revenue System for Biabiani - Anwiawso Bekwai District Assembly

Client: ORION DMT, P. O. Box KS5142, ADUM-KUMASI

2009-Jul 2010	**Teaching Assistant (TA)** at Geomatic Eng. Dept., KNUST, Kumasi.

RESEARCH PAPER/ REPORT/ JOURNAL

Moomen, A. W., Yevugah, L. L., **Boakye, L.**, Osei, J. D., & Muthoni, F. (2024). Review of Applications of Remote Sensing towards Sustainable Agriculture in the Northern Savannah Regions of Ghana. *Agriculture*, *14*(4), 546.

Moomen, W. A., Yevugah, L. **L., Boakye**, L., & Osei, D. J. (2023). Resilient Agri-Food Systems: *Sustainable Intensification of Mixed Farming Systems*─ Quarterly Progress Report. International Institute of Tropical Agriculture, https://hdl.handle.net/10568/134547

Osei, J. D., Damoah-Afari, P., Yevugah, L. L., Mensah, C., Prempeh, N. A., **Boakye, L.** (2023). *Impact of land use and land cover dynamics on urban heat island in the Sunyani Municipality using satellite remote sensing*. Journal of the Ghana Institution of Engineering (JGhIE), 23(2), 6-16.

Damoah-Afari, P., Osei, J. D., Yevugah, L. L., **Boakye, L.,** & Amaning, R. K. (2023). Integrating GIS and Satellite Remote Sensing to Assess the Geospatial Dynamics of Urban Footprints in the Dormaa Central Municipality in Ghana.

'Kwang C.*, Twumasi Y.D.*, **Boakye L.**, Oppong-Twum J.E.*, Agyei-Frimpong S. (2017) *Optimal Landfill Sites for Kumasi Metropolis using Geographic Information Systems and Multi Criteria Decision Analysis. Geoinfor* Geostat: An Overview 5:3. doi: 10.4172/2327-4581.1000163.

'Twumasi Y.D., Kwang C., **Boakye L.**, Agyei-Frimpong S., Oppong-Twum J.E. (2016) *Abattoir Waste Contribution to Municipal Waste Generation.* International Journal of scientific research and management (IJSRM). Volume 4: Issue11; Pages 4812-4825; Website: www.ijsrm.in ISSN (e): 2321-3418.

'**Boakye L.** (2012) Assessing Land Use/cover Change and Land Degradation Risk Using Multi-Temporal Landsat Imagery'. (MSc. thesis report Submitted in Partial Fulfilment of the Requirements for the Award of Degree of Masters of Science in Geomatic Engineering.)

WORKSHOPS/CONFERENCES/PUBLIC LECTURES

- **Participant –** GIS for Climate Action- ESRI Training Team-MOOC, Online training/workshop- 31st October – 6th December, 2023
- **Facilitator** - Drone Image Processing and Remote Sensing Training/Workshop – organised by Ghana Water Company Limited- 19th February to 1st March, 2024
- **Participants**: Selecting Climate Change Projection Sets for Mitigation, Adaptation, and Risk Management Applications. (Webinar)NASA Applied Remote Sensing Training Program (ARSET). 19th -20th September, 2022.
- **Participants**: Seminar on Agroecology; theme "Sustainable agriculture in Ghana, the role of agroecology" Action Aid and University of Energy and Natural Resources (UENR), Sunyani-Ghana. 25th August, 2022
- **Participants**: Advancing the Role of Geospatial Cloud Computing in Ghana's Economy, Society and Environment. (Webinar) Ghana Geospatial Society. 24th August, 2022
- **Participant:** Spatial Analysis of Mycobacterium ulcerans-Hosted Water Bug Critical Zones in the Amansie West District of Ghana". Department of Geospatial Sciences, University of Energy and Natural Resources (UENR). Dormaa Ahenkro, Ghana. 17th August, 2022
- **Participants**: Introduction to Global Navigation Satellite Systems (GNSS) and Application to Radio Occultation and Reflection Remote Sensing Techniques- the University of Cooperation for Atmospheric Research (UCAR), Accra – 14th May 2022

- **Participants**: 5th international conference on the use of space technology for water resources management UNOOSA, Accra - Ghana- 9th – 13th May 2022
- **Participants**: Appointments and Promotions Criteria for Senior Members, University of Energy and Natural Resources (UENR), Dormaa Ahenkro, Ghana – 11th April 2022.

COMMUNITY ENGAGEMENTS

- *Coordinator:* Students' Liaison and Industrial Attachment (2023-2024)

- **Coordinator**: Research Coordinator of the Department of Geospatial Sciences (2022 – Date).

- **Coordinator:** Academic Programme Development Coordinator of the Department of Geospatial Sciences. (2022 – Date).

- *Member*: School of Geosciences Board (2022 – Date).

- *Member*: Academic Board (2022 – Date).

REFEREES

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