



Digital Construction *and* BIM Workshop

"enlightenment towards achieving a pan - African digital built environment"

24th - 28th June, 2019

5 days **9** faculty **15+** BIM Tools **150+** people

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Street, Alausa, Ikeja, Lagos, Nigeria

Register here:

<https://digitalconstruction.africa>

Target Audience:

Architects, Structural Engineers, Mechanical Engineers,
Quantity Surveyors, Builders, Estate Surveyors, and others

INTRODUCTORY COURSE: \$200.00

ADVANCED COURSE: \$200.00

COMBINED COURSE: \$300.00

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Digital Construction *and* BIM Workshop

The architecture, engineering and construction (AEC) industry not only lags behind manufacturing, healthcare and banking when it comes to digital transformation, it is the second least digitised industry, only marginally better than Agriculture and Hunting. Fortunately, the situation is improving. The global AEC industry is in a state of flux and the opportunities are boundless as we witness seismic changes with new processes like building information modelling (BIM) linking up with existing systems like GIS, Offsite Construction and Virtual Reality. In addition, emergent digital technologies such as: 3D scanning, Internet-Of-Things (IoT); Drones; Wearable Devices; as well as new collaborative work flows all generate substantial data, which need integration for value realisation. These processes and tools are leading to new opportunities via digital twinning and smart cities, but it can be overwhelming if not confusing. Where do you start your digital transformation journey from? Which software should you invest in? What are the standards, tools or workflows required to move into the digital era while maintaining legacy systems? How do you carry your clients and project partners along?

This 5 day workshop aims to bring experts and expertise to the doorsteps of Nigerian AEC practitioners and academics. Whether you are a digital migrant or digital native, this workshop has something of value to your personal, professional and organisational needs. Don't miss out on our "BIM Clinics" on Day 4 and Day 5 where we offer free consultation (to registered attendees) on their live or upcoming projects. Spaces are limited, see you there!

Dr. Zulfikar Adamu - Lead Faculty
Associate Prof of Strategic IT in Construction,
London South Bank University, UK.

INTRODUCTORY COURSE



PERIOD	DAY 1 (GENERAL)	DAY 2		DAY 3 (GENERAL)
		TRACK 1 (ARC, STRUCT, MEP)	TRACK 2 (COST EST & PRO. MGT)	
0800 - 0900	Registration, meet and greet			
0900 - 1050	TALK: Understanding BIM and the ongoing digital transformation in construction.	WALK: Hands-on 3D BIM - Model authoring and getting data/info into BIM.	WALK: Hands-on 3D BIM - Model utilisation.	WALK: BIM360 Docs: Setting up, managing and using a common data environment (CDE)
				WALK: BIM360 Docs: Working with design approval workflows.
1050 - 1100	Coffee break			
1100 - 1200	TALK: BIM Policies, Standards and Process Workflows: In context of Developing countries.	WALK: Hands-on 3D BIM - Model authoring and getting data/info into BIM.	WALK: Cost Planning using NRM1 and NRM 3 in the BIM process.	WALK: BIM360 Build: Synchronisation and workflows.
1200 - 1300	CAREER FOCUS: Emerging career choices and specialisations in BIM.	WALK: General Hands-on 4D BIM (Scheduling) session.		WALK: BIM360 Glue: Cloud-based coordination.
1300 - 1400	Lunch break			
1400 - 1500	TALK: Barriers and challenges to BIM adoption in developing countries	WALK: Hands-on - Clash Detection and Model Quality Control.	WALK: Hands-on 5D BIM - Quantification and Material Take-Off.	CAREER FOCUS: The BIM Manager.
1500 - 1600	TALK: Adopting BIM in Higher Education and Continuous Professional Development.	WALK: Developing collaboration and model coordination workflows.		TALK: Understanding the dynamics of group working and collaboration.
1600 - 1700	Networking			INDUSTRY FOCUS: Integrating BIM into practice - A case study of BuildSafe Nig. Ltd.



ADVANCED COURSE

PERIOD	DAY 4 (GENERAL)	DAY 5 (GENERAL)
0800 - 0900	Registration, meet and greet	
0900 - 1050	WALK: Advanced use of common data environments (BIM Forensics, etc.)	WALK: Unity3D workflows (VR): How to integrate virtual reality into BIM workflows.
	Demo + WALK: Dynamic Project Monitoring and building surveying in BIM process.	
1050 - 1100	Coffee break	
1100 - 1200	WALK: Scan-to-BIM (3D Scanning) for existing buildings.	Demo: Scripting for automating BIM using Revit Macros and Dynamo.
1200 - 1300	WALK: Drones in Construction.	
1300 - 1400	Lunch break	
1400 - 1500	MASTERCLASS: Developing a BIM Execution Plan (BEP)	MASTERCLASS: Working with Level of Definitions (LODs)
1500 - 1600	BIM CLINIC: Free consultation on your real world design and construction projects or challenges (Advanced registered delegates only)	BIM CLINIC: Free consultation on your real world design and construction projects or challenges (Advanced registered delegates only)
1600 - 1700		

The Facilitators



Dr Zulfikar Adamu,
Associate Professor of Strategic IT in Construction,
London South Bank University, UK



Prof Martin Tuuli,
Dean of Business School, Ghana Institute of Management and Public Administration,
Accra, Ghana



Geoff Hodgson,
Senior Lecturer, Commercial Management and Quantity Surveying,
Loughborough University



Engr Donatus Oduopara,
Managing Director, BuildSafe Nigeria Ltd



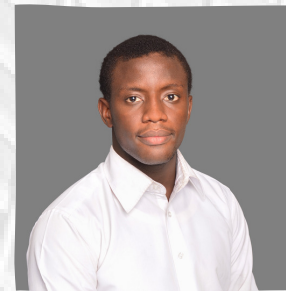
Dr Enoch Sackey,
Lecturer, Ghana Institute of Management and Public Administration,
Accra, Ghana



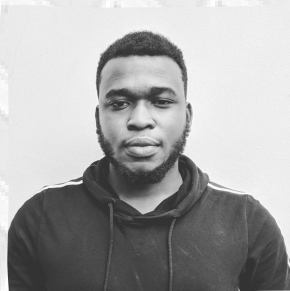
Mrs Kudirat Ayinla,
Doctoral Researcher, Birmingham City University,
Birmingham, UK



Mr. Onyema udeze
Advocate, BIM Africa. Systems Designer and Content Manager
Blaze Incorporated, Nigeria.



Mr. Moses Itanola
Director, BIM Africa. Quantity Surveyor and BIM (5D) Specialist
AllCAD Consult LTD, Nigeria.



Mr. Christopher Ibegbulem
Design Technologist, Harcourt Adukeh Associates, Nigeria.





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*Africa is ready,
are you?*

Join us



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