

CURRICULM VITA

HAITHAM ABBAS ABD ELSALAM ELBOUSHI

PhD - 2011, M Sc-2001,B Sc-1998

Assistant Professor -Civil Engineering PE , FM SCES, FM SEC

Civil Engineering college –Sudan university www.sustech.edu/staff

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<u>Name</u>	<u>1st Name</u>	HAITHAM	<u>2ndName</u>	ABBAS
	<u>3rdName</u>	ABD ELSALAM	<u>Family Name</u>	ELBOUSHI

Date of Birth 3 Nov.1973

Social Marriage and having daughters

Profession (Current)

Assistant professor

Organization

Department of structures
School of civil Engineering
College of Engineering
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Specialized Professionalism

Bridges / structural Engineering

Qualifications

Ph D in Civil/Structural Engineering, Karray University , 2011
Completed by fulfilling Advanced Structural Engineering courses
and Partial Ph D- thesis based on Numerical Models of suspension
and cable supported bridges built in the company of Midas Civil soft
ware Soul - South Korea.

M Sc in Structural Engineering, Sudan University , 2001

B Sc (honors) in Civil Engineering, Sudan University , 1998

Professional Registration

Professional Civil Engineer , 2003

Professional Affiliations

Full Member of Sudanese Civil Engineering Society (**SCES**)
Sudanese Engineering Council (**SEC**)

Language Arabic (Mother language), English (Fluent)

Computer and software skills

Expert in using most of the structural Analysis and Design soft-ware applications. I used to lean these soft-wares in the computer application (CE: 415) at the university

Academic career & year of services

The total years of service in the academic field was 15 years starting appointment at (SUST); **Sudan** University of Science and Technology As Teaching assistant (TA) on 1998, then Lecturer in-Charge 2001-2004, currently Assistant Professor in the Engineering college

Taught Courses for undergraduates at SUST and others

In addition to supervise the student's projects at final semesters, the following courses regularly loaded in the schedule of lectures at SUST and other universities that I teach.

- GC: 101- Statics
- CE: 305- Design of concrete
- CE: 406- Design of steel
- CE: 304- Mechanics of Material
- CE: 415- Computer application
 - Midas-civil,
 - Axis VM
 - STAADIII
 - ETABS
 - SAFE
 - PROKON
 - QBIDGE
 - LUSAS
 - SAP
 - PRIMVERA 3P
 - CSI BRIDGES
 - SAM
 - ADINA
 - PILE-GROUP8
- CE: 402- Finite Element Structural Analysis
- CE: 503- Analysis & Design of bridges

Taught Courses for M Sc Degree

Also I teach the master-level some selected subjects in my specialization field as attached below. As well as involve at the supervision of the partial thesis of the M Sc- Degree.

Specialization	Taught Course
M Sc Construction Engineering	Advance design of concrete Structures I
M Sc Construction Engineering	Advance design of concrete Structures II
M Sc Structural Engineering	Advance Structural Analysis I
M Sc Structural Engineering	Advance Analysis and Design of Bridges

For the details of the syllabus of the M Sc subjects please refer to the university website www.sustech.edu

Academic Participation

External Examiner for the final year B Sc, college of Engineering

- Kordufan University (Sudan-Obied)
- Sinnar University (Sudan-Sinnar)
- Blue Nile University (Sudan-Damazine)

Membership and committees at SUST

Member of the University Senate
 Member of the Engineering College Board
 Member of the Research committee at the Engineering College

Managerial career at SUST

Deputy GM of the Center of consultancy of the university (2009-2012)
 Deputy GM of the Engineering Administration of the university (2013)

Managerial Expertise at SUST

During the Managerial career at the above positions, the following Major projects summary are attached in the table (1) below;

Project	Project location	designation	Client	Duration
ENINEERING ADM. SUDAN UNIVERSITY OF SC. & TECHN. KHARTOUM		Deputy GM STRU. DESIGNER	SUST	2013
	Multidisciplinary technical advisory panel appointed by Sudan University & Technology Design of lecture halls , new buildings Review structural design , drawings, BoQ Monitoring contractor progress of work Payments Approval			
Center for Consultancy and Feasibility Studies SUDAN UNIVERSITY OF SC. & TECHN. KHARTOUM		Deputy GM	SUST	2012
Geotechnical and survey works Argeen Road 365 km between Dongalla and Argeen Link road to Egypt		Project Manger	DAEHAN Consultant S.KOREA	2012
Geotechnical works Sugar Factory plant green field DWEEM – White Nile STATE		Project Manger	KETS Consultant	2010
<u>Geotechnical project for channels</u> Girbba		Project coordinator	LAMIR Consultant	2009
Geotechnical project for Electrical High Voltage Towers 150 km		Project coordinator	DIU	2009

Table .1, SUMMARY OF PROJECTS EXPERIENCE with SUST

Researches:

- Non linear analysis of cable bridges –M Sc dissertation 2001
- Span limitation for closed structural system of cable bridges , PhD partial thesis 2010
- Finite-Element Analysis of composite-bridge deck. Term paper prepared for publishing at SCES journal

Short-courses:

- Preparations to good planning for construction projects , ELMOGAWELOON EL-ARAB , CAIRO ,EGYPT 2002
- Using computer technology at Engineering Educations ,U A E ,2003
- Measuring and evaluating of learning methodology ,Sudan ,2004
- Arbitration in FEDIC – Contracts , Arab Arbitration Center 2007
- Deteriorations and Assessment of structures – University of Khartoum 2007
- Real state Evaluation -CAIRO ,EGYPT 2009

Publications

- "Non linearity of cable structures," high way and bridge Conference –Sudan - June 2003, Khartoum University. H.ELBOUSHI, MSc. AHMED GASIM, PhD
- “Span limitation for closed structural system of cable bridges “, paper prepared for publishing at SCES journal , H.ELBOUSHI, MSc. Dr, AHMED GASIM, PhD

Summary of 10 years Projects experience (Engineering community services)

As well known the role of the University in the Engineering community. I served the Structural Engineers Association through contribution in many projects as below in Table (2); these projects utilized many aspects of based wind engineering, applications of probabilistic hazard analysis. Making useful of good knowledge with powerful software packages for structural engineering, bridges engineering and construction management. For example Midas-civil, Axis VM, STAADIII, QBIDGE, LUSAS, SAP, PRIMVERA 3P, SAFE , ETABS , CSI BRIDGES , SAM , ADINA, SAP ,and PILE-GROUP8.

Project	Project location	Designation	Client	Duration
SOBA BRIDGE	SOBA – Khartoum Sudan	Civil Advisor	A&A URBAN DEVELOPMENT CO.	2012-Up to Date
Summary about project scope of work	Analysis and Design reviews of SOBA BRIDGE (435meter span between abutments crossing the Blue River, Six carriageways, and 8.5m clearance from high water level. The deck is to comprise eight precast, post tensioned, reinforced concrete beams with an in- situ concrete topping slab. spans are to be simply supported between the piers. Substructure comprises a 2.0m deep reinforced concrete crosshead supported on three 1.5m diameter columns. The columns are supported off a 2.0m deep reinforced concrete pile-cap supported on bored concrete piles which bear onto the underlying sandstone formation			

Donglla / Argeen	Dogolla-Argeen Sudan	Client Representative	Aggrogate Inv. Holding Co.	2009-2012
Summary about project	365 Km highway road starting from Dongolla (Northern Sudan) up to the boards with Egypt At Argeen . Client constructs this road upon BOOT system to retain back the cost after 40 years from Toll and other investment parameters.			
Scope of work	<p>Duties and responsibilities include</p> <ul style="list-style-type: none"> • Select the international consultant • Review the design ,master plan and route selection prepared by the consultant • Prepare the report to the board committee. include the work progress , cash-flow plan • Advice with suitable solutions to avoid fouling with the existing archaeological sites • Monitoring the 12 hours shift of the contractor activities through review the daily report from Site • Controlling the time schedule of the project and guidance for preparing the revised and recover delayed–work schedules 			
1000TPD UPGRADING PROJECT, RABAK – SUDAN	RABAK –SUDAN	Client Advisor	NCCL,	2006-2009
Summary about project	The project was brown field depend on Multi new buildings , The main building was the PRE-HEATER TOWER (80 m height) with 1200 ton of structural steel material from built- up sections fabricated at site by professional teams			
Scope of Work	<p>Duties and responsibilities include</p> <ul style="list-style-type: none"> • Monitoring the 12 hours shift of the contractor activities through review the daily report from Site • Controlling the time schedule of the project and guidance for preparing the revised and recover delayed –work schedules • Advice with doing well Structural solutions at the clouded drawings ,fouling problems ,discrepancy details • Approving the work done invoices and consultant check list for the same • Preparing the pre-hazard plans for the material shortages , required drags for construction • Coordinate between the project parties and kept all their correspondences to the client • Advice with the especial care for the old project building as a lot of Demolishing activities are going parallel 			

ROTTANA ALSALAM *****HOTEL	Khartoum Sudan	Chief consultant Engineer	APG,UAE	2004-2006
Summary about project	The HOTEL was build from four floors of pre-fabrication of steel building fixed above 21,000m ² concrete basement. 1.5m length of anchor bolts fixed on the basement columns to hold the steel building, some concrete and deep beams at the roof of the conference room at the basement was designed and treated by myself through the authority of the chief- consultant Engineer.			
Scope of Work	Duties and responsibilities include <ul style="list-style-type: none"> • One of the Design team at the APG, using different Structural soft-wares • Having the site decision for revision the details of the rebar and sections to correlate with steel superstructure according to structural calculations • Design new elements to be fixed with the steel Skelton to carry the HAVUC units has been modified to match the degree of the heat at Sudan • Approving the work done invoices submitted to the ABU DABHI ISLAMIC BANK • Representative ABU DABHI ISLAMIC BANK <ul style="list-style-type: none"> ○ Preparing the % of the work done so as to approve the releasing the contractor invoices ○ Approve the construction schedules prepared by contractors. ○ Reporting with the progress of work through monthly report to the Bank. 			
ALTAOSOL COMERCIAL BUILDING	Khartoum	LEAD STRUCTURAL ENG	KEO/TEKNO J.V CONSLTANTS	2003-2006
Summary about project	The project was 9-multi storey concrete tower with total height 30 meter built on massive raft concrete footings above 17.5meter concrete piles. The basement is fully isolated from water by Geo-textile material between the embankment and the raft, and raft also coated with a strong water proof as the building at the dumped area of the Nile			
Scope of Work	Duties and responsibilities include <ul style="list-style-type: none"> • Monitoring the quality control the PREMBA contractor • Check design of form- work • Check list and approval for concrete activities • Write formal project corresponds to the contractor • Advice with doing well Structural solutions at the clouded drawings ,fouling problems ,discrepancy details 			

Table .2, SUMMARY OF 10 YEARS PROJECTS EXPERIENCE (out Side SUST)

References :

1. Prof Saad Mohammed Ahmed Suleiman,
Staff member at the Uuniversity of Bahrain
2. Prof. Ahmed Altybe , 00249912394923
Staff member at the Sudan University of Science &Technology
3. Dr. Ahmed Gasim , 00249912338002
Staff member at the Uuniversity of Khartoum