



## Faculty Name: Sami A. Osman, (BSc, PgDIP, MSc, PhD.)

### Personal Data

Nationality | Sudanese

Department | Transportation and Traffic Engineering

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### Language Proficiency

Language	Read	Write	Speak
Arabic	excellent /fluent	native / fluent	native / fluent
English	excellent command	highly proficient	highly proficient
Others	excellent /fluent	native / fluent	native / fluent

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
March 2005	PhD in Civil Engineering	Nottingham University,	Nottingham, UK
March 1995	M.Sc. degree in Road Engineering	Delft University of Technology and IHE	Delft, The Netherlands
Sep. 1994	Postgraduate Diploma in Road Engineering	International Institute for Infrastructure, Hydraulics and Environmental Engineering (I.H.E.) Delft	Delft, The Netherlands
Sep. 1989	B. Eng. in Civil Engineering (Transportation and Highway Engineering)	Sudan University of Science and Technology	Khartoum, Sudan

### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	The Role of Bitumen and Bitumen/filler Mortar in Asphalt Mixture Fatigue
MSc	Searching for a fundamental characterization of unbound materials using CBR testing
Fellowship	-



### Academic Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant Professor	Imam Abdulrahman bin Faisal University	Imam Abdulrahman bin Faisal University, College of Engineering, Dammam, KSA	Feb 2010 to date
Associate Professor	Sudan university of science and technology	Sudan university of science and technology, College of Engineering , Khartoum - Sudan	Oct 2009 to Jan 2010
Assistant Professor	Sudan university of science and technology	Sudan university of science and technology, College of Engineering , Khartoum - Sudan	May 2005 to Oct 2009
Lecturer	Sudan university of science and technology	Sudan university of science and technology, College of Engineering , Khartoum - Sudan	March 1995 to Sep 2001
Teaching Assistant	Sudan university of science and technology	Sudan university of science and technology, College of Engineering , Khartoum - Sudan	Nov 1989 to Oct 1993

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
<b>Chair</b> , Department of Transportation and Traffic Engineering	Department of Transportation and Traffic Engineering, Imam Abdulrahman bin Faisal University, KSA	May 2013 to date
<b>Vice Dean</b> for academic affairs	College of Engineering - Sudan University of Science and Technology, Sudan	Aug. 2007 to Jan 2010
<b>Chair</b> , Civil Engineering Department	Civil Engineering Department, College of Engineering - Sudan University of Science and Technology, Sudan	June 2005 to Aug 2007 and from Aug 2008 to Feb 2009
<b>College Coordinator</b> for postgraduate programs	Civil Engineering Department, College of Engineering - Sudan University of Science and Technology, Sudan	Jan 2005 to Oct 2005
<b>Chair</b> , General Science Department	College of Engineering - Sudan University of Science and Technology, Sudan	1997 - 1998
<b>Chair</b> , Transportation and Road Engineering Division	Civil Engineering Department, College of Engineering - Sudan University of Science and Technology, Sudan	June 1995 to Sep 2001

### Professional Experience:

Professional Experience
Supervision and participation in a number of business in the field of: road engineering, traffic eng, road safety, geotechnics, soil testing, materials, specifications and technical reports for a number of projects such as: <ul style="list-style-type: none"> <li>Material Engineer: Scope of work: Checking contractor's quality control plan, monitoring site activities to ensure that construction is progressing according to planned schedules and make sure that all the construction activities meet quality standards and comply with requirements.</li> </ul>



- Tests of materials for a Karima/Dongola road- Company of Sherian Elshamal. Northern State
- Tests site of Nabta Company, Khartoum
- Tests of materials and technical specifications for Heglig airport layers: subgrade, subbase and base course. Heglig, Kordofan State o Design of asphalt mixtures for pavement to Heglig and Danfodiyo companies o Tests of soil and materials for pipeline of DEFRA – Nima.
- Associated in geotechnical investigation, soil tests and structural tests for a number of construction sites and multi-storey buildings such as: Sudan University Residential Camp, Residential buildings in Khartoum North o Tests of the soil to the university housing complex at Gabera, Khartoum.
- Soil and materials testing for Dongola/Kajbar road.
- Soil tests for Kennana and Rahad canals (first stage).
- Road Accident investigation in Khartoum and states highways.
- Design of Shaikan street at Omdurman (3 km length)
- Geometric and structural Design of Alsaliahaby street at Omdurman (0.82 km length) o Geometric and Structural Design of Dongola - Kajbar - phase one - the Northern State (10 km).
- Design and consult local streets network at College of Engineering, Eastern daim, Khartoum o Soil Testing for Kennana and Rahad Canals ( length of 400km) 2nd stage.
- Tests of materials for the rehabilitation of Hejlig and Unity airports at oil areas
- Consultant Engineer for civil engineering works, Sudanese Company for oil Pipelines – Khartoum. designing and supervising of a mosque in the southern site – at As Shagra site and the mosque of the presidency of the company – Construction of a laboratory of petroleum products and parking of vehicles and offices of the company in Khartoum and internal roads of the company located Al Shagra – Khartoum
- Geometric and Structural design of "Elshaheed Dafalla" street 1.2km, Khartoum.
  - Promoting and improving professional standards for road engineering design
  - Quality Control By performing & supervising everyday activities required tests for all company projects
- Study of traffic management in central of Khartoum.
- Traffic signal studies and geometric design and its affects to road accidents in Eastern provine.
- Site Engineer:
  - Develop specifications, cost estimates, and prepare final bid packages.
  - Have a strong working knowledge of roadway design. approaches, cost and scheduling performance Coordinate the planning, staffing, scheduling, budget management, quality control, safety and organization of subcontractors and intern that all the construction activities meet quality standards and comply with requirements

## Scientific Achievements

### Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	S. A. Osman, M. Almoshaogeh*, A. Jamal*, F. Alharbi, A. Al Mojil & M. A Dalhat	Intelligent assessment of pavement condition indices using artificial neural networks	Journal Sustainability, MDPI 2023, 15(1), 561; 28th Dec2022. <a href="https://doi.org/10.3390/su15010561">https://doi.org/10.3390/su15010561</a>



			<a href="https://www.mdpi.com/2071-1050/15/1/561">https://www.mdpi.com/2071-1050/15/1/561</a>
2	M. A. Dalhat , Sami A. Osman	Studying the Impact of Aggregates and Mix Volumetric Properties on the Moisture Resistance of Asphalt Concrete Using Artificial Neural Network	Journal of Road Materials and Pavement Design, 19/Jan./2023 <a href="https://doi.org/10.1080/14680629.2023.2165533">https://doi.org/10.1080/14680629.2023.2165533</a>
3	M. A. Dalhat , Sami A. Osman	Artificial Neural Network Modeling of Theoretical Maximum Specific Gravity for Asphalt Concrete Mix	International Journal of Pavement Research and Technology, Springer Nature Journals. <a href="https://doi.org/10.1007/s42947-022-00244-0">https://doi.org/10.1007/s42947-022-00244-0</a> 1 <sup>st</sup> Nov 2022
4	M. A. Dalhat, Sami A. Osman, Nuhu Dalhat Mu'azu, Omar alagha	Utilization of Oil Sludge as Rejuvenator in Hot-Mix-Asphalt Containing Reclaimed Asphalt Concrete	Journal of Construction and Building Materials, volume 338 , 4 July 2022, 127483, <a href="https://doi.org/10.1016/j.conbuildmat.2022.127483">https://doi.org/10.1016/j.conbuildmat.2022.127483</a>
5	S. A. Osman, A. E. Alluqmani, M. Arifuzzaman, M. O. Aburizaiza, W. K. Sindi and M. S. Alam,	Application of Machine Learning for Prediction of Early Seven-Day Strength of Concrete in Factories.	IEEE, <i>Sustainability and Resilience</i> , pp. 253-258, doi: 10.1109/IEEECONF53624.2021.9667970. Jan 2022
6	M.A. Dalhat S.A. Osman, Abdul-Aziz A. Alhuraish, Faisal K. Almarshad, Sultan A. Qarwan, Akeem Y. Adesina	Chicken Feather fiber modified hot mix asphalt concrete: Rutting performance, durability, mechanical and volumetric properties	Construction and Building Materials, (0950- 0618), Elsevier, Dec 2019  <a href="https://doi.org/10.1016/j.conbuildmat.2019.117849">https://doi.org/10.1016/j.conbuildmat.2019.117849</a>
7	M.A. Mubarakia, S.A. Osman, and H.E.M Sallama,,	Evaluating the flexural strength and mode-I fracture toughness of flexible pavement containing RAP: An experimental study	Latin American Journal of Solids and Structures 16(3):e177, March 2019 <a href="http://dx.doi.org/10.1590/1679-78255516">http://dx.doi.org/10.1590/1679-78255516</a>
8	M. A. Mubarakia, A.A. AbdElhady, S.A. Osman, H.E. Sallam	Mixed mode fracture behavior of concrete pavement containing RAP- 3D finite element analysis	Procedia structural integrity, 5 (2017) 19-26, an Elsevier Journal, Sep 2017 <a href="http://www.sciencedirect.com">www.sciencedirect.com</a>
9	Saif Alarifi, Khalid Alkahtani, Mohamed Abdel-Aty, Sami Osman Kher, Amr Mohammad, Abdul Hamed AlMojil	Corridor safety evaluation in a developing country using a survey based approach	<b>Journal of Transportation Safety and Security</b> Taylor & Francis Online, Aug 2017 <a href="http://dx.doi.org/10.1080/19439962.2017.1366961">http://dx.doi.org/10.1080/19439962.2017.1366961</a> <a href="http://www.tandfonline.com/eprint/pt9R2wckm9DEXcu3HBhS/full">http://www.tandfonline.com/eprint/pt9R2wckm9DEXcu3HBhS/full</a>



10	Muhammad Farhan, Sami , Sayed Faruque, Ahmad Aftab, Abdul Hameed Al Mojil	A Sketch Planning Approach to Highway Safety Manual Based Crash Prediction Methods Using Road Safety Audit Data in Saudi Arabia	Transportation Research Board, National Academy of Sciences, Washington DC, USA, Oct2016
11	Sami A. Osman, Muhammad Saleem, Rana Sajid Khan, Muhamad Abid	Development of a Polymer Modified Flexible Pavement Material for Sustainable Pavement System	Journal of Engineering and Applied Sciences, 2016
12	Abdelaziz Hassan Abdelrazig, Sharafeldeen Ibrahim Bannaga, Sami Abdullah Osman , Adil. A. M. Ahmed,	Traffic Accident in Khartoum State , Sudan,	Journal of Sudanese engineering society, Vol 63 Issue 1, ISSN 1858-618x, March 2017
13	Abdelaziz Hassan Abdelrazig, Sharafeldeen Ibrahim Bannaga, Adil. A. M Elhassan, Sami Abdullah Osman	The Influence Of Fly Ash On The Engineering Properties Of Asphalt And Hot Mix Asphalt	International Journal of Research in Engineering & Advanced Technology, IJREAT, Volume 4, Issue 2, pp 109-116, April - May, 2016
14	Abdelaziz Hassan Abdelrazig, Sharafeldeen Ibrahim Bannaga, Adil. A. M Elhassan, Sami Abdullah Osman	Towards Reducing the Number of Traffic Accidents in Khartoum State (Republic of Sudan)	IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 13, Issue 4 Ver. III, PP 25-33, Jul. - Aug. 2016
15	Muhammad Farhan, Sayed Faruque, Amr Mohammed, Sami Osman, Omar Al-Jabari, Abdul Almojil	A Technical Perspective on Roadway Safety in Eastern Province: Data Evaluation and Spatial Analysis	World Academy of Science, Engineering and Technology International Journal of Social, Management, Economics and Business Engineering, Vol:8 No:9, Dec 2014
16	S. A. Osman, A. A. M Adam	Evaluation of crumb tire rubber Modified Hot Mix Asphalt concrete in Sudan	ASCE, 9780784412671, pp 234 -247, Oct 2012
17	Ahmed F. Salman, Yasser E. Ibrahim, Mostafa M. El-Shami, Sami A. Osman, Abdulrahman S. Hariri	Developing of Specifications and Academic Curriculum in Construction Engineering, A case study in University of Dammam, KSA	International Journal of Engineering Education (IJEE) ( <a href="http://www.ijee.dit.ie/">http://www.ijee.dit.ie/</a> ), Vol. 27, No. 3, pp. 670-678., 2011
18	S.A. Osman, N.H. Thom, A.C. Collop	Evaluation of Fracture Properties of Bitumen/filler Mortar by Using Direct Tension Test	Journal of Buildings and Roads Research, University of Khartoum, Vol. 9, 2009
19	Kobail, A., Osman, S.A	Determination of Sudan Temperature Zoning based on Superpave System	Journal of Buildings and Roads Research, University of Khartoum, Vol. 8, ISSN 1858-5019, Dec. 2007

### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	Muhammad Farhan, S.A. Sami, Ahmad	Study for the Development of Combined Route Choice and Signal Control based traffic	Journal of Advanced Transportation,	Under reviewing



	Aftab, Abdul Hameed Al Mojil	system to mitigate traffic congestion		
2	M. A. Dalhat, S. A. Osman, Abdulhamid Al mojil	Single Lane Inspection to Evaluate Multi-Lane Highway Pavement Condition Indices Using Artificial Neural Network	Journal of Advanced Transportation,	Under reviewing
3	Wael ElDessouki, MUHAMMAD MUBARAKI, Sami Osman, Husam Medabesh, Ayman Shyban	Assessment for Partial Deployment of Automated Speed Enforcement System on Drivers' Behavior in Saudi Arabia,	Journal of Journal of Traffic and Transportation Engineering	under review

### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Saif Alarifi, Khalid Alkahtani, Mohamed Abdel-Aty, Sami Osman Kher, Amr Mohammad, Abdul Hamed AlMojil	Corridor Safety Evaluation in Saudi Arabia Using User and Expert Survey Approach	Transportation Research Board, National Academy of Sciences, Washington DC, USA, Oct2016
2	Muhammad Farhan, Sayed Faruque, Amr Mohammad, Sami Osman, Omar Al Jabari, Abdul Hamed Al Mojil	Roadway Safety in Eastern Province of Saudi Arabia: Crash Data Evaluation and Spatial Analysis	IRF, Dec 2014

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Muhammad Farhan, Sayed Faruque, Sami Osman, Abdul Hamed Al Mojil, (Aramco chair	Comprehensive corridor study traffic safety	Sep 2015



	for traffic safety at University of Dammam)		
2	S. A. Osman, M. Saleem, R. M. Sajid, and M. A. Khan (University of Dammam)	Fundamental Study for Development of a Fiber Reinforced Flexible Pavement Material for Sustainable Pavement System	Feb 2016
3	Sami Osman, Muhammad Farhan, Sayed Faruque, Ahmed Aftab, Abdul Hamed Al Mojil, , (Aramco chair for traffic safety at University of Dammam	Pavement condition Survey	May 2018
4	Muhammad Farhan, Sami Osman, Sayed Faruque, Ahmed Aftab, Abdul Hamed Al Mojil, , (Aramco chair for traffic safety at University of Dammam	Study for the development of combined route choice and signal control based traffic system to mitigate traffic congestion	May 2018
5	Sami Osman, Ahmed Aftab, Abdul Hamed Al Mojil, , (Aramco chair for traffic safety at University of Dammam	Eliminate Side Shoulder to increase road capacity for metropolitan highways in Dammam Metropolitan Region	Jun 2018
6	Sami Osman, Ahmed Aftab, Abdul Hamed Al Mojil	Traffic Accident Prediction Models in terms of the influence of Road Conditions and Operational Characteristics of the Road's Network in Eastern province, KSA	Feb 2019

### Current Researches

#	Research Title	Name of Investigator(s)
1	Review of Traffic Safety Standards / Specifications of MOT and Municipalities for the sake of unifying them under one document	Sami Osman, Muhammad Farhan, Abdul Hamed Al Mojil
2	Material Development, Testing and Environmental Impact Assessment of Reclaimed Asphalt Pavement	Nawaf Blaisi, Muhammad Saleem, Sami Khair, Walid Al-Kutti, Sadaqat Ali



## Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	1st conference of heads and supervisors of academic departments	King Abdulaziz University, Jeddah, 10-12 Jan 2020	Participant
2	5th International Traffic Safety Symposium, organized by Eastern Province Traffic Safety Committee with Imam Abdulrahman Bin Faisal University and Saudi Aramco,	Sheraton Dammam, Date: 10-12 Feb 2020. Dammam	Participant
3	Symposium and Exhibition of The Transportation and Traffic Engineering 3rd day: Smart Mobility in Saudi Arabia.	Dammam, Imam Abdulrahman Bin Faisal University, College of engineering Building, Date : Tuesday 26th March 2019.	Participant
4	The first Forum of the Heads of Academic Department: Experience and Practices	Imam Abdulrahman Bin Faisal University, Place: main Auditorium, IAU. Date :Sunday 7. 4.2019	Participant
5	Gulf traffic conference	Dubai, 7 – 9 December 2015	Participant
6	4th Fire Science and Technology Conference, Society of Fire Protection Engineers	Sheraton, Dammam, KSA,10-14 Nov. 2012.	Presented paper
3	Fifth National Forum for Geographic Information Systems in Saudi Arabia,	Meridian Hotel, Khobar, KSA, 26-28 April 2010	Participant
4	International Engineering Education Conference (IEEC 2010),	ATILIM University, ANTALYA, Turkey. November 4-6, 2010	Presented paper
5	Conference of the engineering construction industry between reality and ambition,	Al-Baath University, Syria, from 0.11 to 13 May 2009.	Presented paper
6	10th international Conference of Asphalt Pavement Design,	Canada, 2006	Participant
7	5th International symposium in civil engineering,	Delft, The Netherlands, June 2004	Presented paper
8	Conference of cracking in pavement- mitigation, risk assessment and prevention	Limoges, France, May 2004	Participant
9	Conference of Durability, performance of Pavement materials	Nottingham, UK, June 2003.	Participant





10	Engineering Conference for Road Authority,	Khartoum, 5-8 Nov 2001	Presented paper
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### Membership of Scientific and Professional Societies and Organizations

- Sudanese engineering society
- Khartoum state engineering society
- Road user safety society, Sudan
- Specialist in Sudanese engineering Council

### Teaching Activities

#### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Surveying engineering/1 <sup>st</sup> semester	3crdts/ENG 341	2Hrs lecture/2Hrs lab per week
2	Geotechnical engineering	2crdts/ENG 312	1Hrs lecture/2Hrs lab per week
3	Pavement materials/2 <sup>nd</sup> sem	2crdts/TTENG 322	1Hrs lecture/3Hrs lab per week
4	Transportation engineering/1 <sup>st</sup> semester	3crdts/TTENG 321	3Hrs lecture per week
5	Pavement construction and maintenance/1 <sup>st</sup> semester	3crdts/TTENG 524	3Hrs lecture per week
6	Pavement design/2 <sup>nd</sup> sem	3crdts/TTENG452	2Hrs lecture/3Hrs tutorials per week
7	Traffic engineering/1 <sup>st</sup> semester	3crdts/TTENG 441	2Hrs lecture/3Hrs lab per week
8	Airport planning and design/2 <sup>nd</sup> sem	3crdts/TTENG 462	3Hrs lecture per week
9	Route surveying/1 <sup>st</sup> semester	4crdts/ENG 361	3Hrs lecture/3Hrs lab per week
11	Highway engineering/2 <sup>nd</sup> sem	3crdts/TTENG 312	3Hrs lecture per week

#### Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Foundation and Geotechnical engineering		3Hrs lecture per week
2	Advanced Pavement materials		3Hrs lecture per week



3	Advanced Traffic engineering		3Hrs lecture per week
4	Pavement construction		3Hrs lecture per week
5	Pavement design		3Hrs lecture per week

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Visitor Lecturer / Transportation Eng., Soil Mechanics, Foundation Eng.& Highway Eng..	Teaching	Sennar University, Sudan	2006
2	Visitor Lecturer/ Soil Mechanics & Highway Eng..	Teaching	Elazhari University, Sudan	2006
3	Visitor Lecturer/ Transportation Eng. & Highway Eng..	Teaching	Vally Nile University, Sudan	2007
4	Visitor Lecturer/ Transportation Eng., Foundation Eng., Highway Eng..	Teaching	Red Sea University, Sudan	2008

### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	PhD	Development of pavement maintenance management system in Sudan	Sudan University of Science and Technology, Sudan (co-supervisor)	7/2017
2	PhD	Effect of geometric deign on road accidents in Khartoum	Sudan University of Science and Technology, Sudan. (co-supervisor)	5/2017
3	MSc	A study of the effect of (fly ash) on the properties of asphalt and hot asphalt mix	Sudan University of Science and Technology, Sudan	3/2007
4	MSc	Adaption of Superpave Asphalt binder specifications to Sudan	Sudan University of Science and Technology, Sudan	6/2007
5	MSc	Study the use of natural Pazolan from `Alqrivgrib` in concrete mixtures	Sudan University of Science and Technology, Sudan	2/2008



6	MSc	Study of possibility of using Sudanese steel slag in asphalt mixtures	Sudan University of Science and Technology, Sudan	3/2008
7	MSc	Chemical Soil Properties Improvement (Earthzyme)	Sudan University of Science and Technology, Sudan	6/2008
8	MSc	Studying the problems of urban planning to roads in Khartoum stste	Sudan University of Science and Technology, Sudan	12/2008
9	MSc	Problems & Solutions Of Management Of Roads Projects In Khartoum State: A Case Study Of Arak Salih Road	Sudan University of Science and Technology, Sudan	3/2009
10	MSc	Evaluation of Hot Mix Asphalt Properties In Khartoum State	Sudan University of Science and Technology, Sudan	4/2009
11	MSc	Overview and Evaluation of Structural Pavement Design Methods in Khartoum State	Sudan University of Science and Technology, Sudan	7/2009
12	MSc	Evaluation of Crumb Tire Rubber Modified Bitumen for Hot Mix Asphalt Concrete at Khartoum State	Sudan University of Science and Technology, Sudan	12/2009
12	MSc	Characteristics of Subgrade soil and their effects on the structure of pavement layers	Sudan University of Science and Technology, Sudan	8/2009
13	MSc	Effect Of Cement Dust Powder On The Properties Of Asphalt Mixture	Sudan University of Science and Technology, Sudan	9/2010
14	MSc	Evaluation of pavement maintenance techniques at Khartoum state	Sudan University of Science and Technology, Sudan	8/2009

### Committee and Community Service (Beginning with the most recent)

#### Committee Membership

#	From	To	Position	Organization
1	2013	date	Chair	Department of Transportation and traffic Engineering Council
2	2010	2013	Member	Department of Construction Engineering Council
3	2005	2010	Member	College of Engineering council board - Sudan University of Science and Technology, Sudan



4	2005	2010	Member	Research Board of the College of Engineering- Sudan University of Science and Technology, Sudan
5	2006	2007	Member	College of Water and Environmental Engineering - Sudan University of Science and Technology, Sudan
6	2007	2010	Member	Authoring and publishing Committee - Sudan University of Science and Technology, Sudan
7	2007	2010	Member	Central Committee of the equipment - Sudan University
8	2005	2007	Member	Academy Committee - Sudan University
9	2005	2006	Member	Committee to develop a master curriculum programs at the College of Engineering - Sudan University of Science and Technology
10	1990	2007	Member	Committee on Examinations - Sudan University of Science and Technology, Sudan
11	2006	2008	Member	Committee of graduate programs exams Civil Engineering Department, Sudan
12	2008	2009	Member	Technical Committee for the management of incubator graduates Faculty of Engineering, Sudan
13	2008	2009	Member	Technical Advisory Committee to look at the specifications of some of the asphalt materials- Khartoum State
14	2008	2009	Member	Committee for preparation of Pazolanic cement Specifications, Sudan
15	2008	2009	Member	Committee develop curricula for the University of expatriates
16	2005	2006	Member	committee of Abdullah Alibdry- Berbers - Technical Education
17	2008	2010	Member	Committee on the editorial board of the Journal of Building and Road Research, University of Khartoum, Sudan
18	2008	2009	Member	Committee on Transportation Engineering Lexicon - the supreme body of Arabization - The Ministry of Higher Education and Scientific Research, Sudan
19	2007	2010	Member	committee for the evaluation of technical colleges, Sudan
20	2008	2010	Member	Committee to assess the current status of teaching diploma mediator government and private universities of Khartoum State Ministry of Higher Education and Scientific Research, Sudan
21	2006	2007	Member	Audit Committee of the Karari University curriculum, Sudan, Sudan



22	2008	2008	Member	Committee develop curricula for the University of Mogtrbeen, Sudan
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### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
1	2013	Date	Saudi Aramco Traffic Safety Chair, Imam Abdulrahman bin Faisal University	Part time
2	2004	2006	Civil Eng. Department, Red Sea University, Sudan	Part time
3	2005	2006	Civil Eng. Department, Kordfan University, Sudan	Part time

### Volunteer Work

#	From	To	Type of Volunteer	Organization
1	2007	2010	officer	Road user safety society

### Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	<p><b>Interpersonal and Communication Skills</b></p> <ul style="list-style-type: none"> <li>○ Excellent communication skills developed through experience in academic and research environments.</li> <li>○ An effective facilitator, able to use interpersonal skills to build working relationships at all levels.</li> </ul>
2	<p><b>Training and Presentation Skills</b></p> <ul style="list-style-type: none"> <li>○ Experience ranges from formal conference presentations to groups.</li> <li>○ Co-developed and delivered a series workshops on research skills to Engineering undergraduate and postgraduate groups.</li> <li>○ Experience of giving individual on-the-job training to colleagues in industry.</li> </ul>
3	<p><b>Teamwork and Leadership</b></p> <ul style="list-style-type: none"> <li>○ Pro-active and enthusiastic team member with experience of working in multi-disciplinary teams in industry and academia.</li> <li>○ Well developed one-to-one and group supervisory skills.</li> </ul>
4	<p><b>Technical and Information Skills</b></p> <ul style="list-style-type: none"> <li>○ Possess a wealth of experience in transport and pavement engineering.</li> <li>○ First-class research and analytical skills, capable of interacting at all levels to devise innovative solutions in a research/industrial environment.</li> </ul>



- Excellent knowledge of operating systems and software applications including PAVExpress, BISAR III, BANDS2, SPDM3, SMART Curve, HCS, HSM, Vissim, Vistro, Synchro, Excel and several determination software packages.
- Wide range of Internet search skills and a good working knowledge of web page publishing.

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Last Update: ...**2/03/2023**,