

ALI AHMED SULIMAN BADER

Lecturer in Civil Engineering



PROFESSIONAL SUMMARY

Highly motivated individual committed to hard work and intensive analysis. Flexible and polished **engineer in Civil engineering** promoting well-developed skills in. Dynamic, motivated and meticulous Research and Testing Specialist with educational and hands-on experience in both experimental and computational research and statistical analysis. Organized and adaptive multi-tasker with outstanding ability to design, conduct and analyse research projects, as well as outside-the-box team player with excellent cross-functional communication skills.



WORK HISTORY

2020-11 – Present

Head of Department (BIM)

Perunding IRZI Sdn Bhd, Kajang, Malaysia.

- Responsible to develop design concepts, design details, and met the client requirements.
- Required to work with clients during pre-construction to build a 5D model, 3D, and 2D shop drawing and submittal drawing.
- Design Infrastructures works and integrate with building information technologies
- Interfaced effectively with design team members, including contractors and vendors to resolve issues and discuss ideas.
- Reviewed contractor proposals and sets of drawings prepared by firms to identify missing information, generate questions and align budgets.



CONTACT

DOB : 29th Oct,1987



41, jln impian gemilang 1/5, saujana impian 43000, Kuala Lumpur.



+6018-761-6021
+21892-838-6042



AHMED@accs.my

ALGOWEL@YAHOO.com

ALGOWEL7@Gmail.com



SKILLS

Supervising



Excellent

Lecturing



Excellent

Research



Excellent

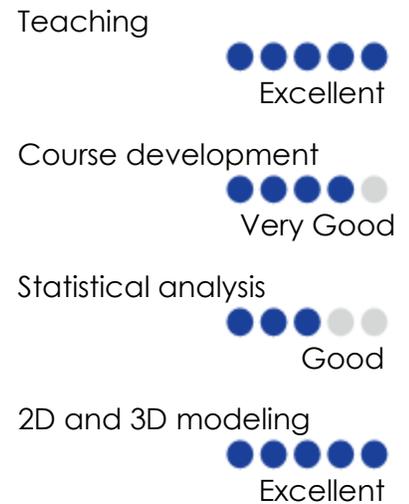
2019-12 -
2020-12

- Provided technical direction on projects and initiatives to other engineers, designers and technicians.

University Lecturer

Bright Star University, Al Brega, LIBYA

- Responsible for carrying out teaching and research duties remotely.
- Delivering lectures to groups of students and using advanced teaching techniques to inspire and motivate them for higher qualifications and then employment.



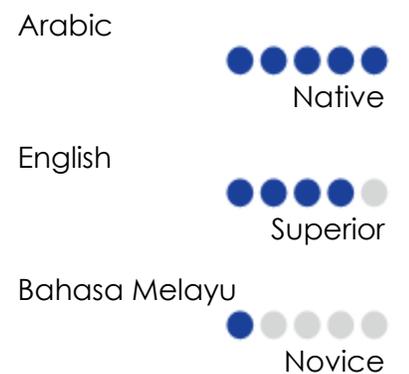
2016-01 -
2019-07

Research Assistant

Universiti Tun Hussein Onn Malaysia, Parit Raja, johor

- Interacted with participants in studies in diverse ways, Including Preparing for Examinations, Obtaining Consent and Collecting Specimens.
- Wrote more than 17 research papers, Reports, Reviews and Summaries Regarding.
- Performed research into study topics to increase knowledge and ability to provide valuable contributions.
- Collaborated with 3 teams as member to initiate best practices to achieve organizational goals.
- Streamlined research processes to meet tight deadlines For Multiple Projects and Tutored struggling students individually and in small groups to reinforce learning concepts.

LANGUAGES



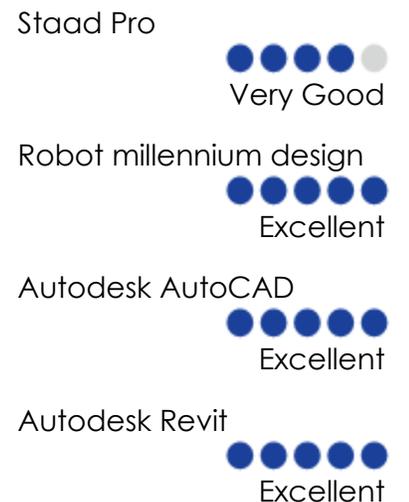
2015-03 -
2015-12

University Lecturer

University Of Benghazi, Al Marj, LIBYA

- Met with students to dispense study and career advice and provide guidance and potential opportunities within chosen field.
- Created positive and safe learning environment

SOFTWARE



for students by setting and enforcing classroom code of conduct.

- Created materials and exercises to illustrate application of course concepts.
- Evaluated and supervised student activities and performance levels to provide reports on academic progress.
- Researched competitive solutions and maintained competitive market comparisons and evaluations.
- Advised around 12 students individually on improving pavement and highway design fluency through researches and presentations.

Sketchup



Proken



Design expert



Autodesk Civil 3D



Autodesk InfraWorks



2012-01 -
2013-09

Engineering Project Manager

Alpetra Consulting Engineering Office, Al Marj, LIBYA

- Reviewed contractor proposals and sets of drawings prepared by firms to identify missing information, generate questions and align budgets.
- Provided technical direction on projects and initiatives to other engineers, designers and technicians.
- Reviewed project goals and objectives on TIMEFRAME basis with project manager and design team.
- Read and interpreted blueprints, technical drawings, schematics and computer-generated reports.
- Monitored contracts and service level agreements to identify potential risks and implement mitigation actions to protect development process from unforeseen delays and costs to approximately 16 contracts.
- Proposed design concepts, worked with customers to incorporate changes and oversaw design process.
- Oversaw large portfolio of projects to support teams, report progress and influence positive

outcomes for key stakeholders.

- Performed on-site field surveys and wrote technical narratives to document processes and design changes.

2009-08 -
2011-08

Design Manager

Seville For Engineering Works, SIRTE, LIBYA

- Chaired design team meetings and issued action items.
- Created materials and designs in AUTOCAD for use in client presentations and communications.
- Managed and expedited complex projects worth \$500K in revenue.
- Engaged with design team to mitigate health and safety risks.
- Interfaced effectively with design team members, including contractors and vendors to resolve issues and discuss ideas.
- Consulted with clients to determine architectural preference to meet overall design goals.

2006-07 -
2009-08

Site Engineer

Al KOAFE , Al Marj, LIBYA

- Checked technical designs and drawings for adherence to standards.
- Coordinated site investigations, documented issues and escalated to executive teams as needed.
- Procured and oversaw construction materials for 10 projects.
- Used Robot millennium to analyze residential area data and design solutions for number of columns issues based on data.



EDUCATION

2015-09 -
2019-01

● **Ph.D.: Civil Engineering and Environmental**

UNIVERSITI TUN HUSSEIN ONN MALAYSIA - Parit Raja, Johor, Malaysia.

Highway Engineering

- Received Scholarship from Centre of Research, Innovation commercialization and consultancy (ORICC) UTHM.

2013-09 -
2014-12

● **Master of Science: Civil Engineering And Environmental**

UNIVERSITI TUN HUSSEIN ONN MALAYSIA - Parit Raja, Johor, Malaysia

- Graduated with **3.6/4** GPA

2004-09 -
2009-08

● **Bachelor of Science: Civil Engineering**

University Of Benghazi - ALMARJ, LIBYA

- Graduated in Top of Class
- Majored in Design high rise Structures.



TEACHING ACTIVITIES

● **Areas of Research Interest**

- Transportation Engineering and Technology.
- Highway Engineering and Technology.
- Materials Science and Engineering.
- Infrastructural Engineering.
- Environment and Sustainability.

● **UNDERGRADUATE TEACHING**

Road Engineering, Transportation engineering, Road materials and construction, Building construction, Concrete design, steel design, Academics Project.

POSTGRADUATE TEACHING

Material Technology, Road Engineering, Transportation engineering, Road materials and construction, Pavement design advance, highway material Laboratory, Academics Project.

STUDENTS SUPERVISION

- Co-Supervisor for Hamza Mohamed Abdulhamid Elghatas, Ph.D. in Civil Engineering Project, UTHM, 2020.
- Supervisor for Mohd Radzif Roy, Bachelor degree, UTHM, 2019.
- Supervisor for Muhammad Farhan Aimran Bin Mohd Zailani, Bachelor degree, UTHM, 2019.
- Supervisor for Patrick Wee, Bachelor degree, UTHM, 2019.
- Co-Supervisor for Ashraf Radwan, Master in Civil Engineering Project, UTHM, 2017.
- Supervisor for Ahmad Samah, Master in Civil Engineering Project, UTHM, 2017.
- Co-Supervisor for Salah Ahmad, Master Project, Sem 1, UTHM, 2016.

Research Grants and Contracts

- Evaluation of Parit Nipah peat modified asphalt (PNPT.M.A) as new additive in asphalt number U633. Ministry of Science, Technology and Innovation (Malaysia), 2016-2019, Amount: 50,000 RM – **Team Leader**.
- Improvement of Hot Mix Asphalt Properties by Nano clay With Polymer Modified Binder, number U033 Ministry of Science, Technology and Innovation (Malaysia), 2014-2016, Amount: 45,500 RM – **Member**.
- Performance evaluation of treated aggregates in asphaltic concrete mix. Number U518, Ministry of Science, Technology and Innovation (Malaysia), 2014-2016, Amount: 35,200 RM – **Member**.



LICENCES

- Member as professional Technologist with MALAYSIA BOARD OF technologists.
- Member with the institution of engineering and technology MIET.
- Member as Civil Engineer with BOARD OF ENGINEERS MALAYSIA.
- Member as Technologist Engineer with MALAYSIA BOARD OF technologists.
- Member as Civil Engineer with Libyan Engineers Association.



AWARDS AND HONORS

- **BRONZE** AWARD RESEARCH AND INNOVATION R&I FEST 16.
- **BRONZE** AWARD RESEARCH AND INNOVATION R&I FEST 17.
- **GOLD** AWARD ITEX 2018 KUAL LUMPUR.
- **GOLD** AWARD SIIF 2018 KOREA.
- **GOLD** AWARD & BEST CATEGORY AWARD. EREKA UNIMAP 2018.
- **GOLD** AWARD INTELLIGENT'19.
- BEST PAPER AWARD IMAACS 2019.
- BEST CATEGORY AWARD INTELLIGENT'19.
- **GOLD** AWARD EREKA UNIMAP 2020.
- **SILVER** AWARD ICON 2020 UiTM.
- **GOLD** INTERNATIONAL RESEARCH AND INNOVATION SYMPOSIUM AND EXPOSITION RISE 2020 UTHM.



PUBLICATIONS

Journal Publications

- Milad, Abdalrhman, **Ahmed Suliman B. Ali**, Ali

Mohammed Babalghaith, Zubair Ahmed Memon, Nuha S. Mashaan, and Salaheddin Arafa. "Utilisation of Waste-Based Geopolymer in Asphalt Pavement Modification and Construction; A Review." **Sustainability** 13, no. 6 (2021): 3330.

- Ahmed Suliman B. Ali, Milad, Abdalrhman Abraham, and Nur Izz Md Yusoff. "A Review of the Utilisation of Recycled Waste Material as an Alternative Modifier in Asphalt Mixtures." **web of science ISI**, Civil Engineering Journal 6 (2020): 42-60.
- Ahmed Suliman B Ali, Idrus, Mohd, Masirin, Mohammad Sukri Mustapa, Raha Abd Rahman, Abdullah Wagiman, and Muhammad Isom Aziz. 2020. 'Analysis of Physical and Microstructural Properties on Parit Nipah Peat Particles as Sustainable Asphalt Modifier' 975: 197–202.
- Ahmed SULIMAN Bader Ali: Ahmed Suliman B.Ali, Mohd Idrus Bin Mohd Masirin, Allam Musbah Al Allam Evaluation of volumetric properties of asphalt mixture by using Batu Pahat Soft Clay as fillers. National Research And Innovation Conference 2016 (NRICON2016).
- Ahmed SULIMAN Bader Ali: The Evaluation of the Performance of Nano Bauxite Powder (NBP) Modified Asphalt Binder.
- Ahmed SULIMAN Bader Ali: An Assessment on the Physical and Rheological Properties of Asphalt Binder Modified with Micro Bauxite Powder (MBP).
- Allam Musbah Al Allam, Mohd Idrus bin Masirin, Ahmad Suliman B. Ali: Influence of Aging on the Physical Properties and Chemical Compositions of Asphalt Binder with Soft Clay Particles. 10/2017; 24:48-54. DOI:10.4028/www.scientific.net/AEF.24.48
- Ahmed SULIMAN Bader Ali: Masirin, Mohd Idrus Mohd, Allam Musbah Al Allam, and Ahmed Suliman Bader Ali. (2017). Effect of Batu Pahat Soft Clay (BPSC) Concentrations on the Physical and Rheological Properties of Asphalt Binder. *Pertanika Journal of Science & Technology*, 25..
- Ahmed Suliman.Ali, Lokman Hakim Ismail, Walid A Al Bargi,: Selecting Indicators For The Sustainable Development of Residential Neighborhoods in Tripoli, Libya. 11/2016; 160(1):012045. DOI: 10.1088/1757 899X/160/1/012045.

- Ahmed Suliman.Ali , A. M. Al Allam, M. I. M. Masirin, M. E. Abdullah, A. S. Bader: Evaluation of the Permanent Deformations and Aging Conditions of Batu Pahat Soft Clay-Modified Asphalt Mixture by Using a Dynamic Creep Test. MATEC Web of Conferences 01/2016; 47:03016., DOI:10.1051/mateconf/20164703016.
- Ahmed Suliman B. Ali, Hamza Mohamed Abdulhamid Elghatas, and Mohamad Yusri Bin Aman, Shaban Ismael Albrka Ali: The Evaluation of the Performance of Nano Bauxite Powder (NBP) Modified Asphalt Binder: Selected Papers of the ICACE 2018 held in Batu Ferringhi, Penang Malaysia on 9th - 10th May 2018. The Advances in Civil Engineering Materials, 01/2019: pages 38-46; ISBN: 978-981-13-2510-6, DOI:10.1007/978-981-13-2511-3_5.
- Ahmed Suliman B. Ali, Hamza Mohamed Abdulhamid Elghatas, Mohamad Yusri Bin Aman,: An Assessment on the Physical and Rheological Properties of Asphalt Binder Modified with Micro Bauxite Powder (MBP): Selected Papers of the ICACE 2018 held in Batu Ferringhi, Penang Malaysia on 9th - 10th May 2018. The Advances in Civil Engineering Materials, 01/2019: pages 30-37; ISBN: 978-981-13-2510-6, DOI:10.1007/978-981-13-2511-3_4.

Conferences

- Ahmed SULIMAN Bader Ali: The Evaluation of the Performance of Nano Bauxite Powder (NBP) Modified Asphalt Binder. International Conference on Architecture and Civil Engineering Conference; 05/2018.
- Ahmed Suliman B. Ali. "Using an Azure Machine Learning Approach for Flexible Pavement Maintenance." In 2020 16th IEEE International Colloquium on Signal Processing & Its Applications (CSPA), pp. 146-150. **IEEE, 2020.**
- Ali, Ahmed Suliman B., Mohd Idrus Bin Mohd Masirin, and Allam Musbah Al. "Evaluation of volumetric properties of asphalt mixture by using Batu Pahat Soft Clay as fillers." National Research And Innovation Conference 2016.
- Ali, Ahmed Suliman B., Mohd Idrus Bin Mohd Masirin, Allam Musbah Al, Nura Usman Allam, and Ahmed A. Elgadi. "Evaluation of mechanical properties of asphalt mixture by using Batu Pahat Soft Clay as fillers." National Research And

Innovation Conference 2016.

Book Chapters

- Nura Usman, Mohd Idrus Mohd Masirin, Kabiru Abdullahi Ahmad, Ahmad Suliman B Ali: Application of Recycled Polyethylene Terephthalate Fiber in Asphaltic Mix for Fatigue Life Improvement. GCEC 2017, 01/2019: pages 1401-1413; , ISBN: 978-981-10-8015-9, DOI:10.1007/978-981-10-8016-6_10.



REVIEW SERVICES

- **Materials Science Forum**, Trans Tech Publications Ltd, Switzerland.



REFERENCES

- **(Supervisor) Prof. Dr. Mohd Idrus Bin Mohd Masirin**
Faculty of Civil Engineering and built Environmental,
Universiti Tun Hussein Onn Malaysia, Fakulti Kejuruteraan
Awam dan Alam Sekita Universiti Tun Hussein Onn
Malaysia.
Tel: 0060 17-733 6234
E-mail: idruss@uthm.edu.my,
idrussmas@gmail.com

- **Assoc. Prof. Ts. Dr. Mohd Haziman Wan Ibrahim**
Faculty of Civil Engineering and built Environmental
Universiti Tun Hussein Onn Malaysia, Fakulti
Kejuruteraan Awam dan Alam Sekita Universiti Tun
Hussein Onn Malaysia.
Tel: 0060 19-777 9004
E-mail: haziman@uthm.edu.my

- **Prof. Dr. Amiruddin Bin Ismail**
Department of Civil & Structural Engineering
National University of Malaysia (UKM) faculty of
engineering built environment
Tel: 0060 17-378 2486,
E-mail: aismail@ukm.edu.my