

# **CURRICULUM VITAE**

## **Bio-Data**

Name: Ali Ahmed Mohammed  
Date of Birth: 23<sup>rd</sup> January, 1981  
Place of Birth: Baghdad - IRAQ  
Nationality: IRAQI  
Sex: Male  
Marital Status: Married  
Address: Baghdad  
Languages: Arabic, English , Bahasa melayu.  
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## **Academic Qualifications**

2010 MSc in Civil and Structural Engineering in Transportation,  
The National University of Malaysia (UKM) (Graduated  
with Honours).

**Thesis Title:** An Optimization Solution for Using Minibuses Service as an Alternative of  
Using Private Cars around *HENTIAN KAJANG* in Malaysia.

2005 BSc in Civil and Structural Engineering, Department of  
Building and Construction, University of Technology,  
IRAQ (1<sup>st</sup> Class Hons).

**Thesis Title:** Evaluation of the Performance of Al-Karikh Water Treatment Plant/  
Baghdad.

## **Employment History**

Oct.2011- Present Currently Lecturer in civil and structural Engineering,  
Department of Building and Construction, University of  
Technology, IRAQ

May 2009- Oct.2010 Senior Lecturer in the University of Tenaga, Malaysia

July 2007- Oct.2008 Instructor in Civil and Structural Engineering, University of  
Al-Sulymania, IRAQ

### **Other Responsibilities Fall Upon Me**

- Member in the Engineering Consultancy Office in The University of Technology.
- supervise the performance of the site engineers and contractors companies working in new buildings erected in the (University of Technology, University of Al-Mustansiriya, University of Al-Iraqi, University of Al-Muthanaa, University of Misan and University of Al-Qadesiya) 2013.

### **Areas of Interest**

Transportation material, Concrete Technology, Sustainable urban design, Intelligent Urban Traffic, Advanced theory of Traffic Flow, modelling, logit, Computational in Highway & Transportation, Remote Sensing GIS, Engineering Material, Urban Transportation.

### **Membership of Professional Bodies/Societies**

1. Member of Iraqi Engineers Union, Civil and Structural Engineering (IEU, Iraq), Membership no: 127931, 2007- now.
2. Member of Board in institute of Advanced Engineering and Science (IAES), Indonesia, Membership Card no: 2014121886
3. Member of Arab Engineers Union, Civil and Structural Engineering, and Membership no: 16019, 2005- now.
4. Member of Board of Malaysia Engineers, Civil and Structural Engineering, 189754, 2009-now
5. Member of Board of Singapore international computer Science and information Technology (IACSIT) membership No: 80339154, 2010-now
6. Member of Board of American Society of Civil Engineers in transportation.
7. Member in IEEE, the world's largest professional association for advancement of technology USA, 2010.
8. Member in IAENG International Association Engineers, USA, 2010 No: 109127
9. Member in Institution of Civil Engineers (ICE), England, London , membership No: 2556636

Graduates students

1. Supervise Diploma student named ( ) and of his dissertation is ..., graduate him in 2016
- 2.

## **Publications**

1. **Ali Ahmed Mohammed**, By using Mode Shift and Improving the Walking Facilities :A case Study in Kuala Lumpur , *International Journal of Advances in Applied Sciences (IJAAS)*, Vol.3, No.4 December, 2014, Indonesia.
2. Ali Ahmed Mohammed, Level Of Service For Using Computer Simulation Transit Network Software Of Intersection ,**accepted** to University of AL-Muthanaa, 2014. Iraq.
3. **Ali Ahmed Mohammed**, Alaa A. Shakir, Factors that affect Transport mode preference for graduate students in the National University of Malaysia By logit Method, Journal of Engineering Science and Technology (**Scopus-cited publication**) School of Engineering, Taylor's University, Vol. 8, No. 3: pp 351 - 363 , (2013) Malaysia.
4. A.A.Shakir ,**A. A Mohammed**, Durability Property of Fly Ash, Quarry Dust and Billet Scale Bricks, Journal of Engineering Science and Technology (**Scopus-cited publication**) School of Engineering, Taylor's University, Vol. 10, No. 5: pp 591 - 605 , (2015) Malaysia.
5. **Ali Ahmed Mohammed** Riza Atiq O.K.Rahmat, Amiruddin Ismail, Omar Abdullah Alelweet, Ouf Abdulrahman Shams ,An Optimization Solution by SSME for Using Minibuses Service as an Alternative of Using Private Cars around KAJANG in Malaysia, **accepted** to *journal transportation in university Florida USA* 2014 September.
6. **Ali Ahmed Mohammed**, Amiruddin Ismail, Riza Atiq O.K.Rahmat, Alaa A. Shakir, Analysis geometrical for Intersection by Utilization Computer Simulation

- aaSIDRA Software of traffic flow: A Case Study in Malaysia, Submitted to Malaysia journal of Civil Engineering (MJCE) in University Tknology Malaysia (UTM) Malaysina, May 2015.
7. Ahmed Abbas Jasim, Salam Adel Mutliack, **Ali Ahmed Mohammed**, Investigating the Effects of Using Crumb Rubber in Hot Mix Asphalt Surface on Skid Resistance Properties ,International Journal of Advanced Research(IJAR) . (ISSN No: 2320-5407)-, Vol 1, Issue 7 (2013) ),.: pp 423-430 , September 2013
  8. **Ali Ahmed Mohammed** , Curb parking in Campus and Stimulating Students to use Public Bus within National University of Malaysia, *International Journal of Advances in Applied Sciences (IJAAS)*, (ISSN: 2252-8814)-, Vol 2, No 3 (2013), September 2013,pp.105-112 Indonesia.
  9. **Ali Ahmed Mohammed**, Dr.Omar Ali Jasim, Traffic Flow Analysis For Intersection Using Computer Simulation Aasidra Software: A Case Study In Bangi Malaysia, Tikrit Journal of Engineering Sciences, University of Tikrit (Vol 20, No 7 (2013), pp. 10~25 Iraq.
  10. **Ali Ahmed Mohammed**, Intersection analysis by aaSIDRA software for computer simulation to optimize the traffic flow, Engineering and Technology journal, University of Technology (Vol 31, No 4 (2013), April 2013, pp. 774~792 Iraq.
  11. **Ali Ahmed Mohammed**, Amiruddin Ismail, Riza Atiq O.K.Rahmat, Comparison the Analysis Geometrical of Intersection and Roundabout by Utilization Computer Simulation aaSIDRA Software of Traffic Flow: A Case Study in Malaysia, Accepted to *International Journal of Advances in Soft Computing and ItsApplications (IJASCA)* (Scopus-cited publication) (UTM) , July 2015 Malaysia.
  12. **Ali Ahmed Mohammed**, Omar Abdullah Alelweet, Mohamed Rehan Karim , An Optimization Solution by Service Science Management and Engineering (SSME) for using minibuses service as an alternative for private cars around Hentian Kajang in Malaysia, *International Journal of Civil Engineering and Construction*

*Technology (ISSN: 2141-2634)- Academic Journals, Vol. 3(1), pp. 25-41, January 2012, USA.*

13. **Ali Ahmed Mohammed**, Riza Atiq O.K.Rahmat, An Optimization solution for utilization minibuses service as an alternative of utilize private cars: A case study around HENTIAN KAJANG in Malaysia, *International organization of Scientific Research Journal of Engineering (ISSN: 2250-3021)- Academic Journals, Vol. Vol. 2(5), pp. 1032-1039, April 2012, India.*
14. **Ali Ahmed Mohammed**, Alaa A. Shakir, Indelible Performance Appraisal of Al-Krama Project Drinking Water Treatment plant: A case Study in Iraq, *International Journal of Advances in Soft Computing and Its Applications (IJASCA) (ISSN: 2074-8523)-, Vol 4, No 1 (2012),: pp 1-13 March 2012 (Scopus-cited publication) (UTM), Malaysia.*
15. **Ali Ahmed Mohammed**, Shayma A. Shaker, Alaa A. Shakir, Sustainability and Evaluate the Performance Drinking water Treatment plants: A case Study in Iraq Project Al-Krama, *Australian Journal of Basic and Applied Science (AJBAS) (ISSN 1991-8178), Vol 6(9): pp 510-516, September, 2012.*
16. Abbas Jawad Al-Taie, **Ali Ahmed Mohammed**, A view Plan Sheet Pile: Design Chart for Cantilever Retaining Wall Construction for Active and Passive Earth Pressure in Baghdad Soil, *International Journal of Advances in Applied Sciences (IJAAS), Vol.3, No.2 June, 2014, Indonesia.*
17. **Ali Ahmed Mohammed**, Alaa A. Shakir, Evaluation the Performance of Al-wahdaa Project Drinking Water Treatment plant: A case Study in Iraq, *International Journal of Advances in Applied Sciences (IJAAS) (ISSN: 2252-8814)-, Vol 1, No 3 (2012), Sep 2012, pp. 130~138 Indonesia.*
18. **Ali Ahmed Mohammed**, Assessment the Mechanical Properties of Soil Cement Interlocking (SCI) Bricks: A Case Study in Malaysia, *International Journal of Advances in Applied Sciences (IJAAS) (ISSN: 2252-8814)-, Vol1. No2, June 2012, pp. 77~84 Indonesia.*
19. Alaa Ahmed Shakir, **Ali Ahmed Mohammed**, Manufacturing of Bricks in the Past, in the Present and in the Future: A state of the Art Review, Submitted to

*International Journal of Advances in Applied Sciences (IJAAS), Vol.2, No.3 September, 2013, pp145-156 Indonesia.*

20. Alaa A. Shakir, **Ali Ahmed Mohammed**, Investigating the durability of bricks by non usual approach, **accepted** to Journal of Engineering Science and Technology (**Scopus-cited publication**) School of Engineering, Taylor's University, Malaysia.
21. O.H.Tawfik, H.Z. Mohd Shafri, **Ali Ahmed Mohammed**, Disease Detection from Field Spectrometer Data, *International Islamic University Malaysia (IIUM) Engineering Journal* (**Scopus-cited publication**), Vol14. No2, pp. 133~143, December, 2013 Malaysia.
22. Abbas Jawad Al-Taie, Prof Yousif J. Al-Shakarchi, **Ali Ahmed Mohammed**, Investigation of Geotechnical Specifications of Sand Dune Soil: A Case Study around BAIJI in Iraq, *International Journal of Advanced Research (IJAR)*. (ISSN No: 2320-5407)-, Vol 1, Issue 6 (2013), : pp 208-215, August 2013

### **Conferences Papers**

23. **Ali Ahmed Mohammed**, Alaa A. Shakir, Conversion the Transportation Mode from Private Cars to Publics by Reduction the Travel Cost: A Case Study in Kuala Lumpur, *Proceedings National Graduate Conference 2012 (NatGrad2012)*, University Tenaga Nasional, Putrajaya Campus, 8-10 Nov 2012, Malaysia.
24. **Ali Ahmed Mohammed**, Prognosis Influence Traffic flow: A Case Study in University Hospital Project Basrah, The 2nd International Conference on Buildings, Construction and Environmental Engineering- BCEE2 in the American University of Beirut 17-18 July 2015 Beirut, Lebanon.
25. **Ali Ahmed Mohammed**, *Operational Analysis of Cross Section Intersection by using aaSIDRA Software for Traffic Flow*, The 2nd International Conference on Buildings, Construction and Environmental Engineering- BCEE2 in the American University of Beirut 17-18 July 2015 Beirut, Lebanon.
26. **Ali Ahmed Mohammed**, *Evolution the Transportation Mode from Private Cars to Publics by Logit Method: A case Study in Baghdad*, The 2nd International



Conference on Buildings, Construction and Environmental Engineering- BCEE2  
in the American University of Beirut 17-18 July 2015 Beirut, Lebanon.

### **Published Books**

27. **Ali Ahmed Mohammed** " *An Optimization Solution for Using Minibuses Service in Malaysia* "LAP Lambert Academic Publishing GmbH & Co. KG, Germany(2012-9-07),ISBN-13:978-3-8484-8365-5,ISBN-10:3848483653 ,EAN:9783848483655, Novelty. **Germany**.
28. Alaa A. Shakir, **Ali Ahmed Mohammed** " *Development Of Bricks From Industrial Waste* "LAP Lambert Academic Publishing GmbH & Co. KG, **Germany** (2013-12-05), ISBN 978-3-659-49667-7 .

### **International Journals Reviewer**

One of my activities is to Review articles sent to me by various International journals and the articles that I reviewed are addressed accordingly:

1. "Studies on Flexural Behavior of Fiber Reinforced Concrete Beams" Manuscript Number: MISC14\_032 *Journal of Engineering Science and Technology (JESTEC)* Journal of Engineering Science and Technology, School of Engineering, Taylor's University, Malaysia: (2014- present).
2. "Examination Of Turbidity Problem Of Drinking Water Treatment Plant By Using Fault Tree Analysis", Manuscript Number: MS No. 148-Elevlier-13R  
*Environmental Engineering and Management Journal*, Technical University of Lasi, Romania (2013- present).
3. "Evaluating the Contribution of Physical Parameters on the Safety of Unsignalized Intersections" Manuscript Number: MISC13\_67 *Journal of Engineering Science and Technology (JESTEC)* Journal of Engineering Science and Technology, School of Engineering, Taylor's University, Malaysia: (2013- present).
4. "Effect of Alternation on Water Network Quality in the Initial Pumping Period in Bartle, North Iraq", Manuscript Number: MISC13\_10. *Journal of Engineering Science and Technology (JESTEC)* Journal of Engineering Science and Technology, School of Engineering, Taylor's University, Malaysia: (2013- present).

5. Investigate the flexural strength of the reinforced concrete beam using finite element, Manuscript Number: IJCECT -21-455. *International Journal of Civil Engineering and Construction Technology (JCECT)*, USA, Victoria Island, Lagos (2012- present).
6. Engineering and management of the cereals storage system using geographic information system, Manuscript Number: SRE-10-219. *Scientific Research and Essays (SRE)*, Academic Journals, USA, Victoria (2012- present).
7. Profile on Railway Commuters-A Case Study of Sealdah Station, Kolkata, Manuscript Number: JGRP-12-086. *Journal of Geography and Regional Planning (JGRP)*, Academic Journals, USA, Victoria Island, Lagos (2012- present).
8. Vehicular noise pollution levels in urban city, Manuscript Number: MISC12\_44. *Journal of Engineering Science and Technology (JESTEC)* Journal of Engineering Science and Technology, School of Engineering, Taylor's University, Malaysia: (2013- present).
9. International Journal of Civil Engineering and Construction Technology (JCECT), USA, Victoria Island, Lagos (2012- present).

### **International and National Conferences Committees**

1. The International Conference to Achieve Sustainable Development in Iraq, Baghdad University, 8<sup>st</sup>-9<sup>th</sup> May 2013, Baghdad, Iraq (*Organizing and Steering Committee*).
2. 1st international Conference on Geotechnical and Transportation Engineering (ICGTE 2013) ,Building and construction Engineering Department ,University of Technology 24<sup>th</sup>-25<sup>th</sup> April 2013, Baghdad, Iraq (Organizing and Steering Committee).
3. International Conference on " Occupational Safety & Health" (OSH 2010),1-3 August 2010 conference Hall ,Kuala Lumpur Convention center Kuala Lumpur City Center (KLCC), Kuala Lumpur, Malaysia (*Organizing and Steering Committee*).
4. International Conference on Urban Development and Management (ICUDM 2010), 2<sup>nd</sup>-4<sup>th</sup> August 2010, Langkawi Permata Kedah Darul Aman, Malaysia.



5. International Conference on Regional Engineering Postgraduate Conference 2010 (EPC 2010) "Innovation through Engineering Research" 28<sup>th</sup>-29<sup>th</sup> September 2010, Hotel Equatorial, Bangi, Malaysia.

### **Training Courses**

1. Course on AUTOCAD held between 9<sup>st</sup> -13<sup>rd</sup> July in University of Technology-Baghdad
2. LATEX Workshop held on 17<sup>th</sup> March in The National University of Malaysia (UKM).
3. MATLAB a Comprehensive Reference for Engineer workshop held on 21<sup>st</sup> -23<sup>rd</sup> December 2009 in The National University of Malaysia (UKM).
4. BASIC SPSS Skill Workshop held on 21<sup>st</sup> December 2009 in The National University of Malaysia (UKM).
5. Best Result in English Course in the National University of Malaysia (UKM).
6. Programmer Staad Pro3 workshop held on 27<sup>th</sup> January 2010 in International Islamic University Malaysia (IIUM )
7. Workshop in First Aid held on 4<sup>st</sup> July 2010 in The National University of Malaysia (UKM).
8. Workshop in Teaching methods held on 19<sup>th</sup> February – 1March 2012 in University of Technology –Baghdad.

### **Certificate of Appreciation**

1. Certificate of Appreciation form the Senior Vice Chancellor of Ministry of Higher Education and Scientific Research for publishing papers in international journal 2016.
2. Certificate of Appreciation form the Senior Vice Chancellor of Ministry of Higher Education and Scientific Research for publishing paper in international journal 2014.
3. Certificate of Appreciation form the Senior Vice Chancellor of Ministry of Higher Education and Scientific Research for participating in the universities performance evaluation 2014.

4. Certificate of Appreciation form the Vice Chancellor of the University of AL-Qadisiyah about some outstanding solutions in university projects.
5. Certificate of Appreciation form the Senior Vice Chancellor of Ministry of Higher Education and Scientific Research for publishing papers in international journal 2014.
6. Certificate of Appreciation form the Senior Vice Chancellor of Ministry of Higher Education and Scientific Research for participating in the universities performance evaluation 2011, 2012.

### **Computer Skills**

Have very good experience in the following software's: (Microsoft word, Microsoft Excel, Microsoft Power Point, Auto Cad, Pipe ++, Photoshop, Staad 3, Assidra 4, Assidra 5, LATAx, SPSS, NCSS, GESS, MATLAB, GIS, ANOVAs, Networks, TRANSYT-7F ).

### **References**

1. Professor Ir. Dr. Riza Atiq bin O.K. Rahmat (*Deputy Vice-Chancellor (Academic & International Affairs in The National University of Malaysia (UKM )*)  
E-mail: [riza@vlsi.eng.ukm.my](mailto:riza@vlsi.eng.ukm.my)  
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2. Prof Eng .Dr.Amiruddin Bin Ismail  
*Professor in transportation*  
E-mail: [abim@eng.ukm.my](mailto:abim@eng.ukm.my)  
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