

CURRICULUM VITAE

Hesham Saleh Ahmad

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1. Personal Data

Date of Birth: January 27, 1975

Nationality: Jordanian

2. Education

- Ph.D. (Civil Engineering) 2010, University of Birmingham, Birmingham, West Midland, England, UK.
- M.Sc. (Management Information Systems) 2005, Amman Arab University for Graduate Studies, Amman, Jordan.
- B.Sc. (Civil Engineering) 1997, Jordan University of Science and Technology, Irbid, Jordan.

3. Ph.D. Dissertation

Development of KM Model for Knowledge Management Implementation and Application in Construction Projects, University of Birmingham, Birmingham, West Midland, England, UK.



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4. Employment**Academic Positions**

- Assistant Professor, Civil and Infrastructure Engineering Department, Al-Zaytoonah University of Jordan, Amman, Jordan
February 06, 2012 – now.

5. Research Interests

- Construction Project Management, including: Knowledge Management Systems (KMS), Document Management Systems (DMS), and Pavement Maintenance Management Systems (PMMS).
- Traffic Safety and Management.
- Environmental Engineering, including: Waste Water Treatment, and recycling and reuse of waste materials in construction.

6. Membership in Scientific Societies and Associations

- Member of the Engineering, Project, and Production Management (EPPM) Association, main office located in Taiwan.

7. Honors and Awards

None

8. Fellowships and Scholarships

None

9. Teaching Experience

- *Undergraduate Courses*
 - Construction Project Management
 - Specifications, Contracts and Quantity Surveying
 - Special Topics in Civil and Infrastructure Engineering
 - Highway Maintenance
 - Building Materials
 - Engineering Economics
 - Structural Systems
 - Surveying Lab
 - Introduction to Civil Engineering



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10. Grants

- Development of a Maintenance Management System for the Roads and Parking Network at Al-Zaytoonah University of Jordan (ZUJ). Turki Al-Suleiman (Obaidat), Subhi Bazlamit and Hesham Ahmad, Sponsored by Al-Zaytoonah University of Jordan, (6/2015 – present).
- Enhancing the Performance of Wastewater Treatment Plant in Al-Zaytoonah University of Jordan. Walid Bani Salameh and Hesham Ahmad, Sponsored by Al-Zaytoonah University of Jordan, (6/2015 – 6/2016).

11. Membership of Committees

- **National and International**
 - *Member in the Jordan Engineering Association*
- **University**
 - *The Civil and Infrastructure Engineering Department Social, Cultural and Sports Committee*
 - *The Department Student Services Committee*

12. Participation in or organization of curricular and/or extra-curricular activities

- Scientific Committee Member, the 9th Engineering, Project and Production Management (EPPM2018), 24-26 September 2018, Cape Town, South Africa. (<http://www.cut.ac.za/eppm2018-conference/>)
- Chair of Organizing Committee, the 8th Engineering, Project and Production Management (EPPM2017), 19-21 September 2017, Al-Zaytoonah University of Jordan, Amman, Jordan. (<http://eppm2017.zuj.edu.jo/OrganizingCommittee.aspx>)
- Editorial Board Member, the Journal of Engineering, Project, and Production Management (EPPM-Journal). (http://www.ppml.url.tw/EPPM_Journal/editors.htm)
- Scientific Committee Member, the 7th Engineering, Project and Production Management (EPPM2016), 21-23 September 2016, Bialystok, Poland.
- Organizing Committee Member, Third International Conference on Environmental Design and Innovation, Zaytoonah University International Engineering Conference 2016 (ZEC2016), 16-18 May 2016, Al-Zaytoonah University of Jordan, Amman, Jordan.
- Organizing Committee Member, Zaytoonah University International Engineering Conference on Design and Innovation in Sustainability 2014 (ZEC Sustainability 2014), 2014.
- Reviewer, the 7th Traffic Safety Conference in Jordan, 2015.

13. Publications



Papers in Refereed Journals:

- **Ahmad, H.S.**, Bazlamit, S.M., Jurczuk, A. and Orłowski, C.; Success factors of project and process management—lessons learned from EPPM 2016, *Engineering Management in Production and Services*, Vol. 9, No. 3, 2017, pp.7-9.
- **Ahmad, H.S.**, Ayoush, M. and Bazlamit S.; Cost-based Analysis for High Severity Locations of Traffic Accidents in Jordan, *International Journal of Engineering Sciences and Research Technology*, Vol. 5, No. 12, 2016, pp.409-416.
- **Ahmad, H.S.**, Lafi, W.K., Abushgair, K. and Assbeihat, J.M.; Comparison of Coagulation, Electrocoagulation and Biological Techniques for the Municipal Wastewater Treatment, *International Journal of Applied Engineering Research*, Vol. 11, No. 22, 2016, pp. 11014-11024.
- Abushgair, K., **Ahmad, H.S.** and Karkar, F.; Waste to Energy Technologies- Further Look into Plasma Gasification Implementation in Al-Ekaider Landfill, Jordan, *International Journal of Applied Environmental Sciences*, Vol. 11, No. 6, 2016, pp.1415-1425.
- **Ahmad, H.S.**; A Quantitative Comparison between Chemical Coagulation and Biological Treatment of Municipal Wastewater, *International Journal of Applied Engineering Research*, Vol. 11, No. 18, 2016, pp.9424-9429.
- Abendeh, R., **Ahmad, H.S.** and Hunaiti, Y.M.; Experimental studies on the behavior of concrete-filled steel tubes incorporating crumb rubber, *Journal of Constructional Steel Research*, Vol. 122, 2016, pp.251-260.
- Bani Salameh, W., **Ahmad, H.S.** and Al-Shannag M.; Treatment of Olive Mill Wastewater by Electrocoagulation Processes and Water Resources Management, *World Academy of Science, Engineering and Technology, International Journal of Environmental, Chemical, Ecological, Geological and Geophysical Engineering*, Vol. 9, No. 4, 2015, pp.288-292.
- Abendeh, R., Baker, M.B., Salem, Z.A. and **Ahmad H.S.**; The Feasibility of Using Milled Glass Wastes in Concrete to Resist Freezing-Thawing Action, *World Academy of Science, Engineering and Technology, International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering*, Vol. 9, No. 8, 2015, pp.832-835.
- An, M. and **Ahmad, H.S.**; Knowledge management in construction projects: a way forward in dealing with tacit knowledge, *International Journal of Information Technology Project Management (IJITPM)*, 2010, Vol. 1, No. 2, pp.16-42.
- **Ahmad, H.S.** and An, M.; Knowledge management implementation in construction projects: a KM model for Knowledge Creation, Collection and Updating (KCCU), *International Journal of Project Organization and Management*, Vol. 1, No. 2, 2008, pp.133–166.

Books and Book Chapters



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- An, M. and **Ahmad, H.S.**; Knowledge management in construction projects: a way forward in dealing with tacit knowledge, Project Management Techniques and Innovations in Information Technology, Chapter 6, 2012, pp.86-114, Published in 30/4/2012.

Conference Publications:

- Obaidat, T.I.A., Hamici, Z.M., Bazlamit, S.M. and **Ahmad, H.S.**; Assessment of the Effect of Alligator Cracking on Pavement Condition Using WSN-Image Processing, Lecture Notes in Mechanical Engineering/ 8th International Conference on Engineering, Project, and Product Management (EPPM 2017), 2018, pp.265-274.
- **Ahmad, H.S.**, Bazlamit, I.M. and Ayoush M.D.; Investigation of Document Management Systems in Small Size Construction Companies in Jordan, Procedia Engineering/ 7th International Conference on Engineering, Project and Production Management, Vol. 182, 2017, pp.3-9.
- Bazlamit, S.M., **Ahmad, H.S.** and Obaidat, T.I.A.; Pavement Maintenance Applications using Geographic Information Systems, Procedia Engineering/ 7th International Conference on Engineering, Project and Production Management, Vol. 182, 2017; pp.83-90.
- Al-Hazim, N., Abu Salem, Z. and **Ahmad, H.S.**; Delay and Cost Overrun in Infrastructure Projects in Jordan, Procedia Engineering/ 7th International Conference on Engineering, Project and Production Management, Vol. 182, 2017, pp.18-24.
- **Ahmad, H.S.**, Ayoush, M.D. and Bazlamit, S.M.; Document Management Systems in Small and Medium Size Construction Companies in Jordan, The 6th International Conference on Engineering, Project, and Production Management (EPPM2015), Griffith University, Gold Coast, Australia, 2-4 September, 2015, pp.273-281, ISBN: 978-1-922216-76-2.
- **Ahmad, H.S.**, Bazlamit, S.M. and Ayoush, M.D.; Identification and Prioritization of Potential Countermeasures for Traffic Accidents by using Collision Diagrams and Benefit/Cost Analysis, 7th Traffic Safety Conference, Jordan Traffic Institute, Amman, Jordan, 12-13 May, 2015.
- Ayoush, M.D. and **Ahmad, H.S.**; Innovative Method for Integrating Accounting Information System (AIS) with Document Management System (DMS) in Construction Projects, The 14th Scientific Annual International Conference for Business - Innovation Management in Business, AL-Zaytoonah University of Jordan, Amman, Jordan, 20-22 April, 2015, pp.121-128, ISSN: 2231-8275.
- **Ahmad, H.S.**, Bazlamit, S.M., Dhaimat, O.H., and Ayoush, M.D.; Toward Sustainable Transportation in Jordan: Analysis of Location, Safety and Cost of Traffic Accidents, Zaytoonah University International Engineering Conference on Design and Innovation in Sustainability 2014 (ZEC



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Sustainability 2014), Al-Zaytoonah University of Jordan, Amman, Jordan, 13-15 May, 2014, Paper Code No. 156954709.

- Dhaimat, O.H., **Ahmad, H.S.**, Bazlamit, S.M. and Ayoush, M.D.; Analysis of Traffic Accidents in Madaba Governorate in Jordan, The Fourth Jordan International Conference and Exhibition for Roads and Transport: High Priority Issues in the Future Transport Sector, University of Jordan, Amman, Jordan, 12-13 March, 2014.
- **Ahmad, H.S.**, An, M. and Gaterell, M.; Web-based knowledge management method to enhance knowledge capturing, sharing and creation in construction projects, Proceedings of the 4th eServices Symposium in the Eastern Province: eServices Integration, Khubar, Saudi Arabia, 9–11 March, 2009, pp.51–62.
- **Ahmad, H.S.**, An, M. and Gaterell, M.; KM model to embed knowledge management activities into work activities in construction organizations, Proceedings of the 24th Annual ARCOM Conference, Association of Researchers in Construction Management, Cardiff, UK, 1-3 September, 2008, pp. 309-318.
- **Ahmad, H.S.**, An, M. and Gaterell, M.; Development of KM model to simplify knowledge management implementation in construction projects, Proceedings of the 23rd Annual ARCOM Conference, Association of Researchers in Construction Management, Belfast, UK, 3-5 September, 2007, pp. 515-524.