

Curriculum Vitae



Name : Professor Dr. Sultan Abderrahman Thiab Tarawneh
Address : Department of Civil and Environmental Engineering
Mu'tah University / Mu'tah – Karak, Jordan

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Title: Professor in Civil Engineering/ Construction Engineering Management

Date of Birth : December, 21, 1963. Huseinyeh - Karak

Nationality: Jordanian

Material Status : Married

Degrees:

- 1. Ph.D.** Civil Engineering / Construction Engineering Management from Leeds University, UK. 31 /9 /1999
- 2. MSc.** Engineering Civil Engineering / Construction Engineering Management, from Sheffield University, UK. 17 /10/ 1995.
- 3. BSc.** Building and Civil Engineering, from Yarmouk University, Jordan 31/ 8/ 1986.
- 4. BSc.** Law from Mu'tah University, Jordan 12/6/2017.
- 5.** Certificate of Consultant Engineer from Jordan Engineers Association 10/1/2016.
- 6.** Certificate on Environmental Impact Assessment from the Jordanian Ministry of Environment.
- 7.** Certificate of Expert Engineering in Construction Management since 7-5-2019.
- 8.** Certificate of Head of Specialization in Project Management since 29-10-2019.

Languages: Arabic (Native)
English (Excellent)

Current and Previous Positions:

1. Dean of Faculty of Engineering at Mutah University since 1-9-2017 to date.
2. Head of Industrial System Engineering at Mutah University since 1-9-2019 to date.
3. Head of Civil and Environmental Engineering at Mutah University since 1-9-2017 to 1-9-2019.
4. **Project Co-ordination and Engineering Manager**, Al Habtoor Engineering Enterprises, UAE, from 2/3/2008 to 26/1/2012.

Project Description: The Project Name is Abu Dhabi JW Marriott Hotel, Resort & Spa and it is consist of 10 buildings, 88 luxury chalets 5 of them VIP chalets located in the water, Venetian Village which includes 33 apartments, SPA buildings, the lagoon passing through the project is connected directly to the main canal in additional house refueling station for the boats running through the project as per the following factsheet:

Client: Abu Dhabi National Hotels (ADNH)

Main Contractor: Al Habtoor Engineering Enterprises

Consultant: Otak International

Project Manager: MACE International

Project Value: Estimated to go up to AED 1.7 Billion

Built up Area: 177791 Square Meters

Man-Hours without Loss: 2200000

Location: Opposite the Sheikh Zayed Grand Mosque, Abu Dhabi, UAE

Designation: Project Co-ordination and Engineering Manager

5. **Director** of the Engineering Office ⁽¹⁾ and Head of Department of Civil Engineering ⁽²⁾ / Tafila Technical University from 8/9/2007 to 1/3/2008 with the following responsibilities:

(1) **Director of the Engineering Office** with full responsibility of all the university projects' design and supervision such as: Head of the design team for the building of

Faculty of Science with total built up area of 18 000 square meters with total value of JD 9.5 millions, Head of supervision team for the building of student affairs and others with total built up area of 12 000 square meters with total value of 6 millions.

(2) Head of Department of Civil Engineering with full responsibility of the department activities such as: Preparing the time table of the department courses, Chair all the meeting of the department board, Represent the department in the faculty board etc in addition of teaching and research responsibilities.

6. **Director** of the Utilities Unit / Mu'tah University from 6/2/ 2006 to 6 /5/2007 with full responsibility of the following departments:
 1. Department of Agricultural Services
 2. Department of Campus Security and Public Safety
 3. Department of Supply and Nutrition
 4. Department of Transportation and Mechanic
7. **Head**, Department of Civil Environmental Engineering / Mu'tah University from 1/9/2002 to 31/8/2003 with full responsibility of the department activities such as: Preparing the time table of the department courses, Chair all the meeting of the department board, Represent the department in the faculty board in addition to teaching and research responsibilities.
8. **Assistance** Professor. Department of Civil and Environmental Engineering at Mu'tah University from 17/10/1999 to 17/10/2004 with teaching and research responsibilities.
9. **Associate** Professor. Department of Civil and Environmental Engineering at Mu'tah University from 18 /10 / 2004 to present with teaching and research responsibilities. Promoted to **Associate** Professor Class A on 23/10/2013.
10. **Professor:** Department of Civil and Environmental Engineering at Mu'tah University since 11/8/2014 with teaching and research responsibilities
11. Coordinator of the Master Programme in Engineering Management from 12 / 2/ 2005 to 31/8/2007.
12. **Project Supervisor** at several projects for the Jordanian Civil Defense from 1 /1 /1987 to 28 / 12 / 1988 with full responsibility of supervising three projects for the Jordanian Civil Defense in Maa'n, Moa'b and Al Mazr with a total built up area of 1050 square meters and a total value of JD 450 000.

13. **Civil Engineer / Project Manager** and **Head of the Technical Team in the Jordanian Ministry of Municipalities/ Moa'b and Mu'tah Municipalities** from 1 / 1 /1989 to 11 / 7 / 1994 with full responsibility of the technical and planning activities of both Municipalities. In addition to that I have the responsibility of supervising:

1. Moa'b Road & Streets: The project consist of cut and fill, putting base and sub base of 50 000 square meters with total value of JD 75 000.
2. Moa'b Road: The project consist of flexible pavement (Asphalt) of 50 000 square meters with total value of JD 90 000.
3. Mu'tah Roads & Streets: The project consist of cut and fill, putting base and sub base of 45 000 square meters with total value JD 70 000.
4. Mu'tah Roads & Streets: The project consist of flexible pavement (Asphalt) of 45 000 square meters with total value of JD 80 000.
5. The offices and Shopping Center of Municipality of Mu'tah: The project consist of the employee offices of Mu'tah Municipality and Mu'tah Shopping Center with two floor building with a total built up area of 750 square meters with total value of JD 350 000.

Membership:

- 1- Jordan Trade-Union of Engineering from 21 /10 / 1986
- 2- Institute of Civil Engineering (U.K) / Student Membership from 1 /1 / 1996

Committees:

I held membership in a number of committees among them:

- 1- Technical Interviews Committee Rai and Expert /JEA from 2/7/2018 to date
- 2- Preparatory Committee for the Scientific Engineering Academy /JEA from 4/7/2018 to date
- 3- University Council / Mutah University from 1-9-2019 to 1/9/2020
- 4- Deanship Council / Mutah University from 1/9-2017 to date
- 5- Appointment and Promotion Committee / Mutah University from 1/9-2017 to date
- 6- Professional Qualification and Accreditation Committee for Project Management / JEA from 10-1-2016 to date
- 7- Student Disciplinary Committee / Mu'tah University from 1/ 9/ 2013 to 1 / 9/ 2014
- 8- Faculty of Engineering Council / Mu'tah University from 30/ 9/ 2012 to 30 /9/ 2014
- 9- Student Disciplinary Committee / Mu'tah University from 30/ 9/ 2012 to 30 / 9/ 2013

- 10- Faculty of Engineering Council / Tafila University from 9/ 9/ 2007 to 1 /3/ 2008
- 11- Tender Department Committee / Tafila University 9/ 9/ 2007 to 1 /3/ 2008
- 12- University Council / Mu'tah University from 31/8/2005 to 31/8/2006
- 13- Faculty of Engineering Council / Mu'tah University from 30/ 9/ 2000 to 30 /9/ 2004
and from 30/9/2005 to 30/9/2006
- 14- Student Disciplinary Council / Mu'tah University from 30/ 9/ 2000 to 30 / 9/ 2001
- 15- ABET Accreditation Committee for Civil and Environmental Engineering Depart.
- 16- Foundation Committee and Programme Co-coordinator for the Engineering Management Master Program at the Faculty of Engineering.
- 17- Foundation Committee of Mu'tah Centre for Water and Environmental Studies
- 18- Postgraduate Committee for the Engineering Management Master Program.
- 19- Postgraduate Committee for the Water and Environment Master Program.
- 20- Permanent Committee for the University Construction Projects; evaluation and monitoring.
- 21- Several Other Committees Concerning Employee's Department Members, Bid Evaluation, Dispute Resolution, and Conferences (More than 80 committees).

Skills:

- 1- ICDL, International Computer Driving License (Word, Excell, Powepoint, Access)
- 2- Statistic and Civil Engineering Management Software; SPSS; PRIMAVERA; and Microsoft Project
- 3- Basic Web Technology Skills for Courseware Development
4. Driving license

Conferences and Workshops Attended:

- 1- The Sixth International Scientific Research Forum of the Euro-Arab Organization for Environmental, Water and Desert. The Second International Conference on Engineering and Science from 27 – 31 – 3 – 2019 Antalya – Turkey.
- 2- Seven Workshops on Environmental Impact Assessment (Conducting the EIA and Writing a Report) Certified from the Ministry of Environment during 2004.
- 3- The 3rd International Conference On Decision Making in Urban & Civil Engineering; 6th – 8th November 2002 SOAS – London.

- 4- Workshop on Basic Web Technology Skills for Courseware Development, University of Jordan, from 8 to 12, October 2000.
- 5- Construction Management Group Conference, 22, October 1997, University of Leeds, UK. On Marketing Design & Build Services for Client Satisfaction
- 6- The 2nd National Construction Marketing Conference, 3rd, July 1997, Center for Construction Marketing, Oxford Brooks University, UK.
- 7- Construction Management Group Conference, 9th, April 1997, University of Leeds, UK. on Public Relations & Marketing for Business Success In the Construction Industry.
- 8- The 1st National Construction Marketing Conference, 4th, July 1996, Center for Construction Marketing, Oxford Brooks University, UK.
- 9- Workshop on Town Planning, Mu'tah University from 14/ 10/ 1990 to 16/ 10/ 1990.
- 10- Workshop on Computer Applications in Engineering Work, Mu'tah University from 5/ 5/ 1990 to 19 / 6 / 1990.

Publication in Journals and Magazines

1. **Tarawneh Sultan and Alla Alaa Abdulrahman (2019).** “Analysis and Management of Risk related to Using Cloud Computing in Business: Employee’s Perception” International Journal of Management (IJM). Vol. 10, Issue 6, Nov. – Dec 2019)
2. **Allahawiah Sattam, Tarawneh Sultan and Tarawneh Ola (2019).** “The Utilization of Education Management Information System (EMIS) to Predict Future Maintenance Plans for Buildings: A Case Study of Karak Governorate Schools”. International Journal of Advanced Trends in Computer Science and Engineering. Vol. 8, No. 5, September – October 2019.
3. **Tarawneh S.A. and Al-Khawaldeh Manar (2019).** “The Impact of Supply Chain Management practice on the Jordanian Construction Projects Performance”. Al-Hussein Bin Talal University Journal of Research (AHUJ) (2019). Vol. 1 Appendix 1.
4. **Allahawiah, Tarawneh Sultan and Agudah Suleiman (2019).** “The Role of Service Quality in Enhancing Customer Satisfaction in Jordanian Public Universities”. European Journal of Business and Management (2019). Vol. 11, Issues 1. PP 131 – 146.
5. **Kasabreh Nora and, Tarawneh Sultan A. (2019).** “Investigating the impact of contractor’s performance on the success of Jordanian residential construction projects”. International Journal of Construction Management (2019). Vo.19 , Issues 1 , 2019.

6. **Al-shamayleh Sundos E., Tarawneh Sultan A and Al-Juboori Salloom (2019)**. Employees Brain Dominance Thinking Style of Arab Potash Company. International Journal of General Engineering and Technology (IJGET) Vol. 8, Issues 1, Dec – Jan 2019. PP 19 -38.
7. **AlTarawneh Mokhled, Tarawneh Sultan, Albawaleez Buthaina, and Hiyasat Mohammed. (2018)**. “Exploring the Factors Affecting the Adoption of Cloud Computing to Improve Project Management Practice: An Analysis of the ICT Perspective in Jordanian Private Sector”. International Journal of Civil Engineering and Technology (IJCIET). Vol. 9, Issues 13, 2018. PP 1829 – 1842.
8. **Aljbour Salah H., Tarawneh Sultan A., and Harahsheh Adnan M. (2016)**. "Evaluation of the use of steelmaking slag as an aggregate in concrete mix: A factorial design approach" Chemical Industry and Chemical Engineering Quarterly. Online-First Issue 00, page 16-16.
9. **سلطان الطراونة، محمد الصرايرة و متعب الرزي (2015)**، " دراسة استثنائية لاستخدام الطاقة الشمسية وطاقة الرياح يف توليد الكهرباء بالكويت " مجلة الطاقة الشمسية والتنمية المستدامة، مجلد رقم 4 العدد رقم 1.
10. **Tarawneh S.A. , Gharaibeh E.S. and Saraireh F.M. (2014)**. Effect of using steel slag aggregate on mechanical properties of concrete. American Journal of Applied Sciences. Vol. 11, Issues 5, 2014. PP 700 – 706.
11. **Tarawneh S.A. (2014)**. Marketing for Service Quality – Contractor's Perception: UAE Case Study. European Journal of Business and Management. Vol. 6, No. 16, 2014. PP. 94 – 101.
12. **Sarireh M. and Tarawneh S.A. (2014)**. Safety Concept, Value and Cost in Construction Projects in Jordan. Journal of Civil and Environmental Research. Vol. 6, No. 5, 2014. PP 60 – 70.
13. **Tarawneh S.A. and Sarireh M. (2014)**. Priority of Flexible Pavement Failure Criteria in Jordan in Accordance with Clients', Consultants', and Contractors' Views. European Journal of Business and Management. Vol. 6, No. 3, 2014. pp 1 – 14.
14. **Sarireh M. and Tarawneh S.A. (2014)**. Modeling of Productivity for Horizontal Directional Drilling (HDD) Operation and Applications. European Journal of Business and Management. Vol. 6, No. 2, 2014. pp 1 – 22.
15. **الطراونة ، سلطان عبد الرحمن (2014)** ، "تأهيل المكاتب الهندسية والشركات الاستشارية في الاردن: من وجهة نظر المستشار الهندسي" . مجلة مؤتة للبحوث والدراسات ، مجلد رقم 29 العدد رقم 1 .
16. **Tarawneh S.A. (2013)**. Post-construction services for contractors' competitive advantage – Consultant' perspective: UAE Case study. Mu'tah Lil-Buhuth wad-Dirasat, Vol. 28, No. 3, 2013. Pp 35 - 54.
17. **Tarawneh S.A. and Sarireh M. (2013)**. Causes of cracks and deterioration of pavement on highways in Jordan from contractors' perspective. Journal of Civil and Environmental Research. Vol. 3, No. 10, 2013. pp 16 – 26.

18. **Tarawneh S.A. and Sarireh M. (2013).** Road deterioration from client and contractor perspectives. *Journal of Innovative Systems Design and Engineering*. Vol. 4, No. 13, 3013. pp 43 – 53.
19. **Tarawneh S.A. (2013).** Marketing for service quality in Jordanian construction project organization. *Journal of Civil and Environmental Research*. Vol. 3, No. 12, 2013. pp 93 – 102.
20. **Sarireh M. and Tarawneh S.A. (2013).** Safety of construction in projects in Jordan. *International Journal of Engineering Innovation & Research*. Vol. 2, Issues 3, 2013. Pp 249 – 257.
21. **Tarawneh S.A. (2004).** Evaluation of pre-qualification criteria: client perspective; Jordan case study. *Journal of Applied Sciences*, 4 (3), July – September 2004. pp 354-363.
22. الطراونة ، سلطان عبد الرحمن(2004) ، "مقارنة أثر تطبيق الأيزو على الشركات الإنشائية الأردنية" . مجلة هندسة المنصورة ، مجلد رقم 29 العدد ، رقم 1 .
23. **Tarawneh S.A, Preece CN, and Alrawdhan A. (2002).** Service Quality for Client Satisfaction - Re-Orienting the Construction Team. *Abhath Al -Yarmouk Basic Sciences and Engineering*, Vol. 11, No. 2A, 2002.
24. **Tarawneh S.A, Al-Rodan A., and Maaitah, O. (2003).** Contractor's perspectives on pre-qualification: Meeting client expectations; Jordan case study. *Mu'tah Lil-Buhuth wad-Dirasat*, Vol. 18. No. 2, 2003. pp 49-64.
25. **Maaitah O. and Tarawneh S.A. (2003).** Effect of treated wastewater on the behavior of unsaturated soil. *Pakistan Journal of Applied Sciences*, 3(5), 2003. pp 360 – 369.
26. **Al-Rodan A. and Tarawneh S.A. (2003).** FE Analysis of the flexural behavior of rectangular tubular sections filled with high-strength concrete. *Emirates Journal for Engineering Research*, Vol. 8, No. 1, 2003. pp 71 – 77.
27. **Mahadin S.A, Maaitah O.N, and Tarawneh S.A. (2002).** The Impacts of Customer Changes on Traffic Accidents in Jordan. *Mansoura Engineering Journal (MEJ)*, Faculty of Engineering, Mansoura University. Vol. 27, No. 4, December 2002.

Publication in Conferences

- a. Tarawneh SA, Preece CN, and Maaitah O (2002). Research into Marketing Service Quality Decision Making in Jordanian Construction Organizations. Proceedings of the 3rd International Conference, 6th – 8th November 2002 SOAS – London.

- b. Preece CN and Tarawneh SA and Moodley K (1997). Modeling Design and Build Service Quality. International Conference on Leadership & Total Quality Management In Construction & Building. Institution of Engineers, Singapore. 6-8 October 1997 Singapore.
- c. Preece CN and Tarawneh SA (1997). Service Quality for Client Satisfaction on Design and Build Projects: Association of Researchers in Construction Management (ARCOM) 13th Annual Conference Proceedings, Kings College, Cambridge, 15-17 September 1997.
- d. Preece CN and Tarawneh SA (1997). Developing High Quality Design and Build Services: Closing the Four Managerial Gaps. The 2nd National Construction Marketing Conference, Oxford Brooks University, 3rd, July 1997.
- e. Preece CN and Tarawneh SA (1996). Re-Orienting the Construction Team to Achieve Service Quality for Clients Satisfaction. The 1st National Construction Marketing Conference, Oxford Brooks University, Thursday 4 July 1996.

Courses Taught:

Course Title	Course Level	Times
Engineering Mechanics 1	Under Graduate	4
(Engineering Mechanics) Static	Under Graduate	5
Engineering Economy and Management / At Alesra University (Summer 2012)	Under Graduate	1
Specification and Quantity Surveying / At Alesra University (Summer 2012)	Under Graduate	1
Construction Methods / At Alesra University (Summer 2012)	Under Graduate	1
Vector Mechanics For Engineering – Static / at Abu Dhabi University as a Part Time Instructor (Fall 2009 & Summer A 2010)	Under Graduate	2
Introduction to Civil Engineering / at Abu Dhabi University as a Part Time Instructor) (Fall 2009)	Under Graduate	1
Engineering Measurement and Surveying/ at Abu Dhabi University as a Part Time Instructor (Fall 2010)	Under Graduate	1

Engineering Measurement and Surveying Lab/ at Abu Dhabi University as a Part Time Instructor (Fall 2010)	Under Graduate	1
Strength of Material Lab.	Under Graduate	3
Special Topics in Construction Management	Under Graduate	2
Specification and Quantity Surveying	Under Graduate	15
Surveying 1	Under Graduate	5
Surveying Lab. 1	Under Graduate	5
Surveying 2	Under Graduate	3
Surveying Lab. 2	Under Graduate	3
Computer Skills I	Under Graduate	3
Engineering Mathematics for (2+2) Program *	Under Graduate	1
Civil Engineering Drawing	Under Graduate	10
Construction Management	Under Graduate	10
Engineering Economy	Under Graduate	10
Pavement Design and Highway Planning	Under Graduate	1
Construction Material and Properties of Concrete	Under Graduate	1
Construction Material and Properties of Concrete Lab	Under Graduate	1
Law and Engineering / Master degree	Post Graduate	4
Selected Research Topics / Master degree	Post Graduate	4
Project Scheduling and Planning / Master degree	Post Graduate	3
Advanced Engineering Economy / Master degree	Post Graduate	3
Contracts and its Legislation / Master degree	Post Graduate	3
Research Methodology / Master degree	Post Graduate	3

* A 4 years program based on 2 years at Mu'tah University and another 2 years at a chosen UK University.

Training Workshops:

I held several Training Workshops including the following:

- 1- Training workshops in Project Planning and Scheduling , Cost Estimate and Quantity Surveying for Libyans' Engineers from 2/2/2013 to 20/2/2013
- 2- Training workshops in Project Planning and Scheduling, Land and Building Surveying and Quantity Surveying for the Municipalities employees in the Southern part of Jordan; for **more than Twelve Workshops.**

- 3- Project Scheduling and Planning using specialized computer software; PRIMAVERA and MICROSOFT PROJECT software, for **more than Twelve Workshops**.
- 4- A training workshop in **Effluent Reuse** for the Water Authorities' employees in the south region of Jordan. This training workshop presentation was given via **Consolidated Consultants** over a period of **Two Months** at Mu'tah University.
- 5- A training course in FIDIC for Tafila Engineering Association
- 6- A number of workshops **at Sultanate Oman** as follows:
 1. Maintenance management using computer PRIMAVERA software.
 2. Technical report writing using computer
 3. Advanced Scheduling and Maintenance Management using computer PRIMAVERA software.
- 7- A workshop at **Kuwait** as follows:
 1. Advance Project Feasibility Study
- 8- A workshop at **UAE – Abu Dhabi** as follows
 1. Reasons and Resolutions of Cracks in Reinforced Concrete Buildings

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Scholarship and Grants:

1. Erasmus Plus project with VRIJE University Brussels to develop a program named as “eMaster in Water Resources Engineering” with a total amount of 923872 Euro.
2. Erasmus Plus project with al-Husain Bin Tatal University to develop a programs named as “Introducing Recent Electrical Engineering Development into Under Graduate Curriculum” with a total amount of 768627 Euro.
3. Grant for workshops to be held at Mutah University on April 2019 with the amount of 24 000 Euro from the British Council as a partner with Sheffield Halam University – (UK-Jordan joint workshop on Sustainable Catchment Management and Water Security – 2018-RLWK10-10406).
4. Grant for joint research project with Liverpool University sponsored by the Royal Academy UK to develop a curriculum for a course on mobile communication during the year 2018/2019 with a total amount of 50000 Euto.

5. Grant for research project of 2500 JD from the Deanship of scientific research at Mutah University on the application of ISO procedure of construction companies in 2003.
6. Scholarship from Mu'tah University for obtaining Master Eng. and PhD Degrees in Civil Engineering / Construction Engineering Management from United Kingdom from 1993 to 1999.

Postgraduate Supervision

7. I supervised **thirty students** on their master thesis in Engineering Management at different area of research at Mu'tah University, Al Isra University and Jordan University.
8. I participated as an Internal Examiner in the viva of **thirty** students on their master thesis.
9. An external examiner at Al Isra University for **Eight** master students.
10. An external examiner at Jordan University for **Ten** master students
11. An external examiner for the comprehensive exam at Al Isra University

Referees:

1. الاستاذ الدكتور ظافر يوسف الصرايره - رئيس جامعة مؤتة
2. الاستاذ الدكتور اخليف يوسف الطراونة
3. الاستاذ الدكتور يوسف الجعافرة - نائب رئيس جامعة مؤتة