

CURRICULUM VITAE (CV)

First Name : Luay
Middle Name : N. A.
Family Name : Dwaikat
Date of birth : 16th march 1979
Nationality : Palestinian
Email : luay.dwaikat@najah.edu
Mobile No. : +970 598 100 395



Current Position: Assistant Professor of Sustainable Construction Economics, Quantity Surveying, and Construction Project Management – Civil & Architectural Engineering Department, An-Najah National University, West Bank - Palestine

Accredited trainer for Construction Project Management & Project Management Software Primavera Project Planner P6.

Real Estate Developer & Freelance Consultant – Business Development, Real estate development, Economic Appraisal, Construction Project Management, Investment Analysis, Sustainable Construction, and Life Cycle Costing

Education:

1. Institution:	University of Technology Malaysia (UTM)
Date	January 2014 – August 2016
Degree obtained	PhD Degree with merit in Quantity Surveying. Area of specialization: sustainable construction economics and life cycle costing. Thesis Title: actual life cycle cost performance measurement of green buildings using the earned value approach.
2. Institution:	Istanbul Technical University (ITU)
Date	September 2003 – October 2004
Degree obtained	Master degree in Information Technology Based Construction Project Management. Area of specialization: project planning, scheduling, cost estimating, cost monitoring and control, and contracts administration.
3. Institution:	An-Najah National University, Palestine
Date	September 1997 - September 2002
Degree obtained	B.Sc. Architectural Engineering

Language skills: Indicating competence on a scale of 1 to 5 (1 – excellent; 5 – basic)

Language	Reading	Speaking	Writing
Arabic	1	1	1
English	1	1	1
Turkish	2	2	2

Membership of professional bodies:

- Member in the Malaysian Green Building Confederation
- Member in the Jordanian Engineers Association
- Member in the Palestinian Engineers Association

Key qualifications & Skills:

- Senior construction cost estimator & quantity surveyor
- Senior lecturer for sustainable construction economics, construction project management, IT applications in construction management, quantity surveying, engineering economics, life cycle costing, and research methodology.
- Senior trainer for project management software Primavera Project Planner P6
- Accredited trainer for construction project management
- Project management
- Projects' cost monitoring and control
- Pretender planning & tender management, Construction contracts administration
- Life cycle cost assessment specialist
- Economic Appraisal
- Construction projects planning and scheduling

Awards, scholarships, and distinction:

- Malaysia International Scholarship (MIS), PhD scholarship funded by the Ministry of Education Malaysia 2014 – 2016.
- Best PhD Student Award for the year 2016, awarded by University of Technology Malaysia (UTM).
- Merit Thesis Award awarded by University of Technology Malaysia (UTM).
- Excellence Certificates for the PhD degree awarded by University of Technology Malaysia (UTM).
- Research Excellence and Quality of Publications Award, awarded by An-Najah National University in 2019.

Research Interest and Expertise:

- Environmental research, Green building economics, Energy economics, Life cycle engineering and costing, Green buildings performance measurement, Sustainable construction, Construction cost estimation methods, Project planning, scheduling and cost control, Artificial intelligence and IT applications in construction management, Engineering economics

Publications:

1. Dwaikat, L.N., Ali, K.N., 2018. The economic benefits of a green building – Evidence from Malaysia. *Journal of Building Engineering*, 18, 448-453. doi.org/10.1016/j.jobee.2018.04.017 doi.org/10.1016/j.jobee.2018.03.015.
2. Dwaikat, L.N., Ali, K.N., 2018. Green buildings life cycle cost analysis and life cycle budget development: Practical applications. *Journal of Building Engineering*, 18,303-311. doi.org/10.1016/j.jobee.2018.03.015.
3. Dwaikat, L.N., Ali, K.N., 2016. Green Buildings Cost Premium: A Review of Empirical Evidence. *Energy and Buildings*, 110, 396–403. doi:10.1016/j.enbuild.2015.11.021.
4. Dwaikat, L.N., Ali, K.N., 2016. Measuring the Actual Energy Cost Performance of Green Buildings: A Test of the Earned Value Management Approach. *Energies* 9, 188. doi:10.3390/en9030188
5. Dwaikat, L.N., Ali, K.N., 2014. Green Buildings Actual Life Cycle Cost Control: A Framework for Investigation, in: 13th Management in Construction Researchers' Association (MiCRA) Annual Conference and General Meeting, 06 November 2014, IIUM. Kuala Lumpur.
6. Dwaikat, L. N. (2023). Does the Cost of Green Buildings Increase with Higher Energy Efficiency Measures? *The Social Science Research Network SSRN Preprint*. Elsevier
7. Dmaldi, S., Dwaikat, L.N., Hussein M. H. (2024). Energy consumption baseline for public schools in West Bank-Palestine. *Environmental Challenges*, 115,100914, doi.org/10.1016/j.envc.2024.100914

Google scholar profile: <https://scholar.google.com/citations?user=o555TviAAAAJ&hl=en>

Web of Science Profile: <https://www.webofscience.com/wos/author/rid/O-8142-2015>

Peer review:

An active reviewer for the following leading international scientific journals:

- Energy and Buildings (ISSN 0378-7788)
- Energy policy (ISSN 0301-4215)
- Sustainable Cities and Society (ISSN 2210-6707)
- Journal of Cleaner Production (ISSN: 0959-6526)
- Journal of Building Engineering (ISSN 2352-7102)
- Sustainability (ISSN: 2071-1050)
- Energy, Sustainability and Society (ISSN: 2192-0567)
- Energy (ISSN 0360-5442)

Specific experience by region:

Country	Date from – Date to
Dubai - UAE	2005 - 2006
Palestine	2006 – 2008
Turkey & Libya	2008 – 2011
Palestine	2011 – 201
Kuala Lumpur - Malaysia	2014 – 2016
Palestine	2016 - now

Professional experience:

Date from – Date to	January 2016 – current
Position	Assistant Professor
Location	Civil & Architectural Engineering Department – An-Najah National University, Nablus, Palestine
Reference person* (name & contact details)	Dr. Muhannad haj Hussein, Dean of Faculty of Engineering & Information Technology, An-Najah National University Email: haj_mj@najah.edu Mob. No. 970 599 877 908
Description:	I am working as a full time tenured track Assistant Professor and lecturer for the following topics: green building economics, engineering economics and life cycle costing, contracts administration, research methodology, construction project management, IT applications in construction management, quantity surveying and cost estimating, professional practices and technical writing, supervising graduation projects, supervising master degree thesis.
Date from – Date to	December 2012 – current
Position	Freelance Consultant
Location	Different agencies and clients
Reference person* (name & contact details)	Mr. Abdullah Kharoub, General Manager – Sustainable Change for Development (SCD) Email: Abdkharoub@scd.ps Mob. No. +970 592 737 354
Description:	Provide management and engineering consulting in the following fields: Real estate development, Investment analysis and feasibility studies, Capacity building & training, Strategic planning & Market research, Business development Construction project management, Pretender planning & tender management Contracts administration, Quantity surveying & cost Estimate, Project planning & time management, Project time & cost control, Claims consulting & management Litigation Support, Arbitration & dispute resolution.
Date from – Date to	January 2018 – current
Position	Real Estate Developer
Location	Self-employment
Reference person* (name & contact details)	Mr. Ali Saleh, General Manager – United Law Firm Email: advoalisaleh@gmail.com Mob. No. +970 569 798 552
Description:	I am working in real estate development, trading, design, feasibility studies, execution, supervision, and sales negotiations.

Date from – Date to	August 2008 – current
Position	Accredited Trainer for Construction Project Management
Location	Education for Employment Foundation (EFE) and The Palestinians Engineers Association
Reference person* (name & contact details)	Eng. Ma'moun Abu Rayyan, Manager of Training and Employment Department - Palestinian Engineers Association Email: mrayyan@paleng.org Mob. No. +970 595 966 610
Description:	<p>I am Working as an accredited trainer by Colorado State University, Education for Employment Foundation (EFE), and the Palestinian Engineers Association for Construction Project Management.</p> <p>Education for Employment Foundation (EFE) is a leading nonprofit organization that is founded and partnered by <u>Over 3,400 international bodies</u> including companies, educational institutions, government ministries, community centers, corporations, and others to create economic opportunity for unemployed youth to link them to jobs across the Middle East and North Africa region. The founders and partners list of EFE includes global entities such as: <u>Google, LinkedIn, The United Nations, the UK government, the European Commission, and the US Government</u> (full list of partners and founders can be accessed at https://efe.org/about/partners-and-funders)</p> <p>Working as an Accredited trainer by the Palestinian Engineers Association for Management Software PIMAVERA PROJECT PLANNER P6.</p> <p>I have delivered more than 20 professional training courses in Palestine, Libya, Jordan, Turkey, and Malaysia.</p>
Date from – Date to	February 2011 – December 2013
Position	Faculty Member
Location	Civil & Building Engineering Departments – An-Najah National University, Nablus
Reference person* (name & contact details)	Dr. Muhannad haj Hussein, Dean of Faculty of Engineering & Information Technology - An-Najah National University Email: haj_mj@najah.edu Mob. No. +970 599 877 908
Description:	<p>I have worked as a full time lecturer for the following topics:</p> <ul style="list-style-type: none"> • construction project management, • building economics, • cost estimating, • contracts administration, • quantity surveying, • supervising graduation projects.
Date from – Date to	July 2008 – January 2011
Position	Project Control & Tender Manager
Location	OZKA Construction & Trading Company, Istanbul – Turkey and Southern Waha General Contracting Company, Tripoli - Libya
Reference person* (name & contact details)	Mr. Abdullah Akpinar, Managing Director - PCM Project Controls Services Ltd. Email: aakpinar@pcm-tr.com Mob. No.: + 90 543 399 00 00
Description:	<p>I have worked in the position of Project Control & Tender Manager. I and the team prepared tenders, planned, controlled and administered contracts for projects valued more than 500 Million USD, most of which are Design – Build contracts supervised by International consulting firms, namely, Hill International and Davis Langdon (currently known as AECOM)</p> <p>During this position, I led a team of engineers to:</p> <ul style="list-style-type: none"> • Manage and coordinate submittals to projects' consulting firms, • Prepare contracts & tender documents, • Project cost estimates and cost budgeting, • Prepare & certify the monthly payments, • Prepare Work Breakdown Structure for projects and cost accounts, • Prepare and update time schedules and baselines, • Estimate and schedule projects' resources, • Update time and cost baselines, • Measure projects' cost and time performance and deviations, • Report projects performance

Date from – Date to	February 2006 – June 2008
Position	Faculty Member
Location	Civil Engineering Department – An-Najah National University, Nablus
Reference person* (name & contact details)	Dr. Muhannad haj Hussein, Dean of Faculty of Engineering & Information Technology - An-Najah National University Email: haj_mj@najah.edu Mob. No. +970 599 877 908
Description:	Full time lecturer for the following topics: <ul style="list-style-type: none"> • construction project management, • building economics, • cost estimating, • contracts administration, • quantity surveying, • supervising graduation projects.
Date from – Date to	January 2005 – January 2006
Position	Site Engineer
Location	ARABTEC Construction LLC, Dubai – United Arab Emirates.
Reference person* (name & contact details)	Mr. Jamal Asaad – Project Manager Email: N/A Mob. No. N/A
Description:	I have worked as a site engineer with ARABTEC Construction LLC in Dubai – United Arab Emirates. ARABTEC Construction LLC is currently known as ARABTEC Holding PJSC, it is considered as one of the largest construction groups in Middle East. ARABTEC has been executing a number of high-profile construction projects including Burj Khalifa, also known as Dubai Tower, which is the tallest building in the world. During this position, I worked in a fast-track construction project to deliver 560 residential villas in Dubai Silicon Oasis (DSO) in a duration of 10 months. Key responsibilities: <ul style="list-style-type: none"> • Supervising and coordinating subcontractors, • Reviewing and certifying subcontractor's payments. • quantities surveying, • control executing the assigned activities in accordance with the baseline program. • managing resources at site, • Quality Assurance and Quality Control.

* The Contracting Authority reserves the right to contact the reference person.

Certificates and International Exams:

- **Accredited Construction Project Management Trainer** from Colorado State University, Education for Employment Foundation (EFE), and the Palestinian Engineers Association.
- **Project Planner PRIMAVERA (P3)** certificate has been awarded by Project Management Center (PMC) at Istanbul Technical University.
- Contract Administration F.I.D.I.C Update & ADR Techniques certificate has been awarded by Project Management Center (PMC) at Istanbul Technical University & James R. KNOWELS.
- Leadership preparation certificate has been awarded by Abu-Queer Youth Camps, Alexandria – Egypt.
- Graduate Record Examination (GRE, 2002).
- IELTS Exam (Total band score 7, March 2013)

Hobbies & Interests:

- Traveling & visiting new places.
- Playing Piano, Oud, and Kanun.