

DR. ABDALLA M. QUDAH

**ASSOCIATE PROFESSOR IN CONSTRUCTION ENGINEERING AND MANAGEMENT
JORDAN UNIVERSITY OF SCIENCE & TECHNOLOGY**

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EDUCATION:

Ph.D. in Construction Engineering and Management, Civil Engineering; The University of Michigan, Ann Arbor; August 1992; emphasis on project planning scheduling and control, cost engineering, contracts, specifications, quantity surveying, engineering economy, information systems, expert systems, simulation, operation research. **Thesis:** "CIPROS: Knowledge-Based Construction Integrated Project and Process Planning Simulation System"

M.Sc. in Construction Engineering and Management, Civil Engineering; San Jose State University; San Jose, California; December 1982.

B.Sc. in Civil Engineering; San Jose State University; San Jose, California; December 1981).

EXPERIENCE:

March 2016 to Present

American University of Madab

President Assistant for Financial and Technical Affairs and Scientific Centers.

Sept 2011 to March 2016

Jordan University of Science and Technology

Director of Financial Unit and Advisor to the President, Jordan University of Science and Technology in charge of planning, budgeting, accounting, and cost control.

Member of the Parallel Program Higher Committee.

Manager of JUST Investment Fund.

Member of Central Tenders Committee and chair of over 100 subcommittees.

Coordinator of the Gulf Fund Grants of 12 Million JD.

August 2009 to August 2011

Prince Sultan University, Riyadh, Saudi Arabia

Chair of Project Management Department / College of Engineering,

Coordinator of College of Engineering programs establishment.

Director of Project Management Unit.

Sept 2007 to August 2009

Jordan University of Science and Technology

Civil Engineering Department Chair of over 4 divisions, 40 faculty members and over 1200 graduate and undergraduate students.

Coordinator of the Department Quality Assurance Committee in charge of preparing for ABET accreditation and UNDP program evaluation including preparing Self Study Report.

Member of the university Central Tenders Committee.

Sept 1992 to August 2007

Jordan University of Science and Technology

Developed and taught Construction Management, Contracts & Specifications, Quantity Surveying, Engineering Economy, Static and Probability and Statistics.

Supervised the thesis of eight graduate students and examination committees of eleven others.

Supervised the graduation projects of over seventy students.

Coordinated the department's training, graduation, and student's affairs committees.

President of the university employees housing committee since Sept. 2005.

- May 2001 to present** **Member of the National Committee on Dams, Jordan Valley Authority, Ministry of Water and Irrigation, Jordan**
Planning, cost estimating, feasibility studies, preparation and review of contract documents, evaluation of bids, progress evaluation, and evaluation of variation orders and claims.
- June 2015 to present** **Member of the National Committee of Nuclear Reactor Site Suitability Project, Jordan Atomic Energy Commission**
Contract follow up, progress evaluation, and review of topical reports.
- August 1990 to August 1992** **University of Michigan, USA**
Teaching Assistant for graduate classes in Construction Engineering and Management including costing, scheduling, and construction equipment and methods.
- June 1986 to August 1987** **Cities and Villages Development Bank; Amman, Jordan**
Technical and economic appraisals, feasibility studies of municipal projects.
Coordination of project finance with the World Bank.
- January 1984 to March 1986** **Jordanian Army Corps of Engineers**
Design and supervision of several army posts and hangers.

WORKSHOPS & TRAINING COURSES:

- **"Value Engineering"**, Jordan Summit House, Amman, Aug. 2008.
- **"The FIDIC Conditions of Contracts"**, twice at the Jordanian Potassium Mining Company, Feb. and May 2000; JEA, Irbid branch, 2006.
- **"Project Manager Professional (PMP)"**, Macquarie Int., Abu Dhabi, UAE, a 2 weeks program conducted twice in 2006 and once 2007.
- **"Project Management"**, THALES, Abu Dhabi, UAE, an 8 weeks program conducted 3 times: twice in 2005 and once in 2006 for senior officers.
- **"PRIMAVERA, Project Planning and Control"**, Jordanian Potassium Mining Company, May 2000; JUST, May and Aug. 1999; Sultant of Oman, April. 2004; Jordan Engineering Assoc., 2004-2008, University of Jordan 2004-2008, Abu Dhabi 2005.
- **"MS Project"**, Jordan Refinery Company, 2002; Municipality of the Greater Irbid, 2003 - 2006; and Abu Dhabi 2005, 2006, and 2007.
- **"Cost Management"**, Bahrain, April 2005 and Jan 2008; JEA July 2008. The course covers costing and cost accounting for managerial decision in construction.
- **"Senior Project Management Principles"**, University of Jordan, March 2003. The course covers strategic and tactical planning, risk assessment and management, WBS, developing work statements, leadership, and the art of delegation.
- **"Site Supervision: Proven Effective Techniques"**, Training Center of Muscat Municipality, Sultanate of Oman, Sept. 2000.
- **"Decision Making and Economic Appraisal of Engineering Projects"**, Training Center of Muscat Municipality, Sultanate of Oman, Sept. 2000.
- **"Professional Development of Civil Engineers"**, Training Center of Muscat Municipality, Sultanate of Oman, Sept. 2000.
- **"Quantity Surveying"**, Muscat Municipality, Sultanate of Oman, 1999; JUST, 2002.

SELECTED PUBLICATIONS:

- Odeh, A. M., Wa'il A. S, and Rzouk R. (2006) "Gas Transport through Concrete Slabs." *Building and Environment*, 41(4), 492-500.
- Haddad, R., and Qudah, A. (2005) "Alkali-silica reaction expansions in high-performance and normal-strength cement grouts reinforced with steel and synthetic fibers." *Mechanics of Composite Materials*, 41(1), 87-94.
- Odeh, A. M. (2003). "Resource-Based Simulation of Overlapping CPM Networks." *Proceedings of the 2nd International Structural and Construction Conference (ISEC 02)*, Rome.
- Odeh, A. M., and Battaineh, H. (2002). "Adversary Contracts: Construction Delays." *International Journal of Project Management*, 20(1), 67-73.
- Odeh, A. M., Haddad R., and Issam (2002). "Effect of Mixing, Curing, and Testing Temperature on Fiber Reinforced Concrete." *Proceedings of the 27th Conference on Our World in Concrete and Structures*, Singapore.
- Al-Masaeid, H., Al-Mashakbeh, A., and Qudah, A. (1999). "Economic Costs of Traffic Accidents in Jordan." *Accident Analysis and Prevention*, 31(4), 347-357.
- Odeh, A. M., and Obaidat M. T. (1998). "Construction Planning and Monitoring Techniques Integrated with Vision System." *The International Journal of Construction Information Technology*, 6(1), 1-23.
- Obaidat, M. T., and Odeh, A. M. (1995). "An Automated Stereometric Knowledge-Based CAD System for Construction Management." *Proceedings of the 2nd International Conf. and Exhibition on Visualization and Intelligent Design in Engineering and Architecture (VIDEA)*, Spain.
- Tommelein, I. D., Carr, R. I., and Odeh, A. M. (1994). "Assembly of Simulation Networks Using Designs, Plans, and Methods." *Journal of Construction Engineering and Management*, ASCE, 120(4), 796-815.
- Odeh, A. M., Tommelein, I. D., and Carr, R. I. (1994). "Knowledge-Based Assembly of Simulation Networks Using Construction Designs, Plans, and Methods." *Proceedings of the 1994 Winter Simulation Conference*.
- Odeh, A. M. (1992). "CIPROS: Knowledge-Based Construction Integrated Project and Process Planning Simulation System." Ph.D. dissertation, Dept. of Civil and Environ. Engrng, The Univ. of Michigan, Ann Arbor, Michigan.
- Odeh, A. M., Tommelein, I. D., and Carr, R. I. (1992). "Knowledge-Based Simulation of Construction Plans." *Proceedings of the 8th Symp. on Computing in Civil Engrng and Geographical Inf. Sys.* Dallas, 1042-1049.
- Odeh, A. M., Tommelein, I. D., and Carr, R. I. (1991). "Using Design Drawings and Project Plans to Construct Discrete-Event Simulation Networks." *Proceedings of the 8th International Symposium on Automation and Robotics in Construction*, Stuttgart, Germany, 519-528.
- Qudah A. M., Haddad R. H., Al-Daoud, N. A. Implementation of safety measures in stone quarries, ASEA-SEC2, Bangkok, Thailand, Nov. 3-5, 2014.
- Qudah A. M., Haddad R. H., Al-Daoud, N. A. Quality Assurance in Selected Jordanian Quarries, International conference materials, methods and Technologies, Elenite, Bulgaria, June 7-11, 2015.

CONFERENCES:

- International conference materials, methods and Technologies, Elenite, Bulgaria, June 7-11, 2015.
- ASEA-SEC2, Bangkok, Thailand, Nov. 3-5, 2014.
- Second International Structural and Construction Conference (ISEC 02), Rome, September 23-26, 2003
- The 27th conference on Our World in Concrete and Structures, Singapore, 2002.
- Roller Compacted Concrete (RCC) Dams 2000, JUST, 2002.
- The 1st National Civil Engineering Week, Univ. of Jordan, 1997.

PROJECTS CONSULTANCY:

- Cost assessment of higher education cost of the different colleges at JUST.
- Cost estimate and feasibility of Al-Wehdah dam.
- Privatization and contract negotiation of the university fuel station.
- Feasibility of Kufranja dam.
- Assessment of King Abdulla University Hospital assets and cost centers.
- Design and Contract Documents of Shaidam and Dlagha dams.
- Prepared the Contract Documents for Al-Lajoun Waste Water Treatment Plant.
- Time and cost evaluation of contractor's claims of Tannur, Mujib, Husban, and Al-Wehdah dams. The evaluation included assessment of delays using MsProject.
- Modeling of project schedule: Baseline and Actuals for Claims negotiating with the contractor's of Karamah and Tannur dams.
- Consultant to Zeus Housing Co.: project planning and control MsProject and Primavera.
- Consultant to Jordan Valley Authority on arbitration cases filed with the ICSID.
- Structural evaluation of Al-Ramtha Stadium.

COMMITTEES:

National Committee on Dams / Jordan Valley Authority

- Review of contract documents, evaluation of tenders, estimating and feasibility studies, evaluation of claims, and review of progress reports. May 2001 to present.

President of the Housing Committee / JUST

- Planning, financing, loans approval, and site inspection. Sept. 2005 to present.

Vice president of the Housing Committee / JUST

- Financing, loans approval, and site inspection. Sept. 2000 to Sept 2005.

Member of the University Central Tenders Committee / JUST

- Approval and award of all university tenders.

College of Engineering

- Served on the College Council and Student's Affairs Committee.
- Coordinator of Department Training, Graduation, and Students Affairs Committees; and served on many other department committees.

COURSES TAUGHT:

Engineering Static.
Probability and Statistics for Civil Engineers.
Engineering Economy.
Cost Engineering.
Contracts, Specifications, and Quantity Surveying.
Building Construction.
Construction Management.
Project Management for Industrial Engineering and IT.

HONORS & ASSOCIATIONS:

- The Outstanding Achievement Award for work in Construction Engineering and Management (The University of Michigan 1990).
- Tau Beta Phi, National Engineering Honor Society.
- Chi Epsilon, Civil Engineering Honor Society.
- Deans Honor List, The University of Michigan and San Jose State University
- American Society of Civil Engineers (ASCE): Associate member.
- Jordan Engineers Association.

COMPUTER SKILLS:

- **Software Command:** Excellent command of Windows, Excel, Word, Access, Power Point, PRIMAVERA, MS PROJECT, DBase, and SPSS.
- **Software Development:** Management information systems, Expert systems, Knowledge-based systems, Simulation systems, and Quantity surveying.
- **Programming:** FORTRAN and C languages. Object Oriented C++ and ACTOR.

REFERENCES:

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