

DR. ABDALLA M. QUDAH (ODEH)

**ASSOCIATE PROFESSOR IN CONSTRUCTION ENGINEERING AND MANAGEMENT
FAHAD BIN SULTAN UNIVERSITY**

Address:

Civil Engineering Department
Fahad Bin Sultan University
P. O. Box 15700
Tabuk, Kingdom of Saudi Arabia

Telephone:

Work: (966) 144252500/ 219
Mobile: (966) 592200058
Home: (962) 796411113

E-mail: qudah@fbsu.edu.sa

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; 1982.

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

EXPERIENCE:

Sept 2016 to Present

Fahad Bin Sultan University, Tabuk, KSA

- President Assistant for Administrative and Financial Affairs.

March 2016 to Sept 2016

American University of Madaba

- 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 for ABET accreditation including preparing Self Study Report.
- President 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 8 graduate students and examination committees of eleven others.
 - Coordinated the department's training, graduation, and student's affairs committees.
 - Member 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.
- **"Cost Engineering"**, Engineers Associations in Bahrain & Jordan, 2007. The course covers cost accounting, cost estimating, budgeting and control.
- **"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 Karameh 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:

- Prof. Abdallah I. Malkawi
Fahad Bin Sultan University
P.O. Box 15700
Tabuk, 71454, Kingdom of Saudi Arabia
Tel: + 966 144252500 Ext. 139
Email: mhusein@fbsu.edu.sa

- Prof. Iris Tommelein
Engineering and Project Management Program
Civil and Environmental Engineering Department
212 McLaughlin Hall
University of California
Berkeley, CA 94720-1712
Tel: + 01 (510) 643-8678
Email: tommelein@berkeley.edu