

Prof. Sameer A. Abu-Eisheh

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CURRENT POSITION

Professor, Civil Engineering Department, An-Najah National University, 2005 – Present

EDUCATION

- Ph.D., Civil Engineering (Transportation Engineering and Planning), The Pennsylvania State University, U.S.A., 1984-1987, GPA=4.00/4.00
- M.Sc., Civil Engineering, The Pennsylvania State University, U.S.A., 1983-1984, GPA=3.90/4.00
- B.Sc., Civil Engineering, University of Jordan, Jordan, 1977-1982. C.A.=80.3%

WORK EXPERIENCE

- Professor, Department of Civil Engineering, Faculty of Engineering, An-Najah National University Nablus, Palestine, 2005-Present
- President's Assistant for Planning and Development, An-Najah National University, 2005-2006
- Director of Planning and Development, An-Najah National University, 2004-2005
- Visiting Professor, Lille University, France, 2004
- Fulbright Visiting Professor, University of Washington, USA, 1999
- Dean, Faculty of Engineering, An-Najah National University, 1998-1999
- Associate Professor, Department of Civil Engineering, An-Najah National University, 1996-2005
- Dean, Faculty of Engineering, An-Najah National University, 1992-1996
- Head of the Department of Civil Engineering, An-Najah National University, 1992
- Visiting Professor, Texas A&M University, USA, 1990
- Visiting Professor, Braunschweig Technical University, Germany, 1990
- Assistant Professor, Department of Civil Engineering, An-Najah National University, 1987-1995
- Part-Time Researcher, The Pennsylvania Transportation Institute, The Penn State University, 1983-1987
- Teaching and Research Assistant, Department of Civil Engineering, An-Najah National University, 1982-1983

PROFESSIONAL REGISTRATIONS

- American Society of Civil Engineers, Institute of Transportation Engineers, Transportation Research Board, World Conference on Transport Research Society, American Society for Engineering Education, Engineers Association, Jerusalem Center

ADDITIONAL CAREER EXPERIENCE - PART TIME

- Minister of Planning/Acting Minister of Finance/Acting Minister of Education and Higher Education/Acting Deputy Prime Minister, and Chair or Member of five Ministerial Committees and the Consultative Council for Official Statistics The Palestinian Government, 2006-2007
- Member of the Board of the Palestinian Investment Fund, 2006-2007.
- Member, Quality Improvement Fund, Ministry of Higher Education, 2005-2006.
- Trainer, Professional Development programs, 1994-Present, performed for The Municipal Development and Lending Fund, An-Najah National University, and Birzeit University

- Senior Consultant and Team Leader, 1993-Present. Areas of interest include Strategic, Urban and Regional Transportation Planning, Travel Demand Modeling and Forecasting, Traffic Systems Management, Traffic and Safety Engineering, Pavement Management Systems, Engineering Education, and ITS Applications.
- Researcher, 1986-Present, supported by grants from The Council for International Exchange of Scholars (CIES), UNESCO, German Technical Cooperation (GIZ), The World Bank, UNDP, The German Academic Exchange Service (DAAD), and AMIDEAST.

SOCIAL AND ORGANIZATIONAL SKILLS

- Chair, Member or Coordinator, Numerous Conferences/Workshops, 1993-2012.
- Elected President or Member, Palestinian Universities and An-Najah National University Union for Faculty and Staff, 1992-2004.
- Elected Member, The General Conference, Engineers Association, Palestine, 1997-1999.
- Board Member/Vice President/Member of National Committees/Centers, including the National Science and Engineering Panel, The Palestinian National Commission for Education, Culture and Science, The Board of Trustees of the Center for Palestine Research and Studies, and the Technology and Vocational Education Committee.
- Member of Editorial Board or Referee of Journals, 1989-2012, including An-Najah Journal of Research, Al-Handasah Journal, Journal of Infrastructure, ASCE, USA, Transportation Research Record, TRB, USA.
- Board/ Founding Member of Societies and NGO Boards, 1992-2008.
- Head or Member of University Committees, including the committees on Scientific Research, An-Najah Prize for Research, GIS Development, Promotion, An-Najah National University Strategic Plan, Scholarships, e-Education, and Sabbatical Leave.

COMPUTER SKILLS

- Transportation Planning software (e.g., TransCAD), Road Design (e.g., InRoads, Civil 3D), GIS Software (e.g., GIS plus), Computer Aided Design and Drafting (e.g., AutoCAD), Statistical software (e.g., SPSS), and MS Office (e.g., MS Project 2000).

TRAINING

- Improving Quality of Higher Education, Chile (2005), Curriculum Development in the Field of IT, KOICA, Seoul, Korea (2005), Roadway Value Engineering, University of Washington, (1999), Managing Project Delivery, University of Washington, (1999), Advanced Traffic Engineering, University of Washington, (1999), Using the Internet for Teaching and Learning in the Scientific and Engineering Environment, UNESCO, (1998), Travel Demand Modeling, Calliper Corp., Newton, Massachusetts, U.S.A, (1997).

AWARDS

- Bentley Empowered International Award, Supervisor to a group of Students winning the 2006 BE Award of Excellence, Academic: University/ College, Engineering (2006), The Islamic Development Bank Prize for Science and Technology (2004), Fulbright Scholarship, USA (1999), CHI EPSILON, National Civil Engineering Honor Society, The Penn State University, USA (1986), Penn State University Dean's List, Department of Civil Engineering, (1983-1987), AMIDEAST Scholarship for the M.Sc. and Ph.D. Degrees, USA, (1983-1987), and IAESTA Training Scholarship, The Norwegian Institute of Technology, Norway (1981).

COURSES TAUGHT:

BACHELOR COURSES:

- Transportation Systems Engineering I, Transportation Systems Engineering II, Transportation Systems Engineering III, Traffic Systems Management, Advanced Road

Design, Civil Engineering Specifications, Computer Applications in Civil Engineering, Materials of Construction, Introduction to Engineering, Introduction to Computing, Graduation Project I, Graduation Project II

MASTER LEVEL COURSES:

- Urban Transportation Planning, Analysis of Transportation Systems, Design of Transportation Facilities, Strategic Decision Making, Design of Highways and Streets
- Transportation Systems Management, Scientific Research, Thesis

PUBLICATIONS

REFEREED SAMPLE JOURNAL PAPERS/PROCEEDINGS/BOOK CHAPTERS:

- Abaza, O., Abu-Eisheh, S., and Awartani N. (2010) "Developing A Pilot Multimedia Tool For Transportation Engineering Education", Proceedings of The International Conference on Society and Information Technologies: ICSIT 2010, Orlando, FL, USA.
- Abu-Eisheh, S., Al-Sahili, K. and Abu-Zant, H. (2008) "The Palestinian Traffic Safety Program – Needs Assessment and Proposal for Development", Proceedings of the Fifth Conference on Traffic Safety, The Traffic Institute, Amman, Jordan.
- Abu-Eisheh, S., and Al-Sahili, K. (2006) "The Framework For The Development of a Medium-Term Transportation Program for an Economy in Transition: The Palestinian Case", Transportation Research Board 85th Annual Meeting, Washington, DC, USA.
- Abu-Eisheh, S. (2004) "The Impacts of the Separation Wall on the Sustainability of the Transport Systems and Services in the Palestinian Territories", An-Najah University Journal for Research-A, An-Najah National University, Vol. 18, No. 2, pp. 285-313.
- Abu-Eisheh, S. (2004) "Assessment of the Output of Local Engineering Education Programs in Meeting the Needs of the Private Sector for Economies in Transition: The Palestinian Territories Case", The International Journal of Engineering Education, Tempus Publications, Dublin, Vol. 20, No. 6, pp. 1042-1054.
- Al-Sahili, K., and Abu-Eisheh, S. (2004) "Traffic Signal Impacts on Air Pollution and Fuel Consumption in Downtown Nablus City", An-Najah University Journal for Research-A, An-Najah National University, Vol. 18, No. 1, pp. 97-114.
- Abu-Eisheh, S. and Abaza, K. (2003) "Guidelines for a Pavement Management System and Rehabilitation Plan for Village Access Roads in the West Bank, Palestine ", Dirasat, Engineering Sciences, The University of Jordan, Vol. 30, No. 2, pp. 235-248.
- Abaza, K. and Abu-Eisheh, S. (2003) "An Optimum Design Approach for Flexible Pavements", The International Journal of Pavement Engineering, Taylor and Francis Publishers, UK, Vol. 4, No. 1, pp. 1-11.
- Abu-Eisheh, S. and Mannering, F. L. (2002) "Forecasting Automobile Demand Using A Dynamic Simultaneous-Equation System", Journal of Transportation Planning and Technology, Taylor and Francis Publishers, UK, Vol. 25, pp.311-331.
- Al-Sahili, K., and Abu-Eisheh, S. (2002) "Traffic Systems Management Studies for Palestinian Cities: Implementation Assessment", Transportation and Traffic Studies, American Society for Civil Engineering, Washington, D.C., U.S.A, Vol. 1, pp. 210-217.
- Abaza, K. A., Ashur, S., Abu-Eisheh, S., and Rabay'a, A. (2001) "Macroscopic Optimum System for Management of Pavement Rehabilitation", Journal of Transportation Engineering, American Society for Civil Engineers, Washington, USA, Vol. 127, No. 6, pp. 493-500.
- Abu-Eisheh, S. (2001) "Modeling Automobile Demand and Driver Population in the Palestinian Territories Using Simultaneous Equation Estimation Method", Transportation Research Record, Transportation Research Board, Washington, USA, No. 1752, pp. 108-116.