

## CURRICULUM VITAE

### Sameer A. Abu-Eisheh

#### Professor of Transportation Engineering and Planning

**BIRTH DATE:** 25 Aug. 1960

**NATIONALITY:** Palestinian

**EDUCATION:**

- **Ph.D.**, Civil Engineering (Transportation Engineering and Planning), The Pennsylvania State University, U.S.A., 1987, GPA=4.00/4.00  
*Thesis:* "Dynamic Network Traffic Analysis with Route and Departure Time Model"
- **M.Sc.**, Civil Engineering, The Pennsylvania State University, U.S.A., 1984, GPA=3.90/4.00  
*Thesis:* "Transportation Network Analysis Utilizing User-Equilibrium Assignment"
- **B.Sc.**, Civil Engineering, University of Jordan, Jordan, 1982. Cumulative Average=80.3%

**REGISTERED CIVIL ENGINEER:**

- Jordan Engineers Association-Jerusalem Center, No. 3581, 1982

**PERSONAL ADDRESS:**

- Department of Civil Engineering  
An-Najah National University  
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[sameer.abu@hotmail.com](mailto:sameer.abu@hotmail.com)

**KEY QUALIFICATIONS:**

Sameer Abu-Eisheh is a professor of civil engineering, researcher, and senior consultant. His area of specialty is transport planning and engineering. His fields of experience include as well road and traffic engineering, management of transportation systems, strategic planning, spatial planning, national and regional planning, infrastructure development, project appraisal and assessment, engineering education, institutional development, and capacity building. He received his Ph.D. degree from the Pennsylvania State University, U.S.A., in 1987. He has occupied leading professional, technical and governmental positions.

Sameer A. Abu-Eisheh is a Professor in the Department of Civil Engineering in the field of Transportation Engineering and Planning at An-Najah National University, Palestine. He served as the President's Assistant for Planning and Development, Dean of the Faculty of Engineering, and Head of the Department of Civil Engineering at An-Najah. He was a visiting Professor at Lille University, France, University of Washington and Texas A&M University, U.S.A., and Technical University of Braunschweig, Germany. He authored more than 100 published or conference papers, and participated in authoring two books and five manuals.

He has versatile experience in consulting, as he has been serving as a Senior Consultant in Transportation and Infrastructure Planning and Engineering for the Universal Group for Engineering and Consulting, and as a freelance Consultant. He has offered consulting services to various international and local organizations and authorities, including World Bank, Islamic Development Bank, UNDP, UNCTAD, UNESCO, UN-Habitat, GIZ, KfW, USAID, Welfare Association, and many ministries, agencies and regional and local authorities. He acted as the Project Manager or Senior Expert in a number of major projects in Palestine, U.S.A., Saudi Arabia, U.A.E, and Libya. He participated in more than 200 studies and projects as a Team Leader or Senior Expert.

**PROFESSIONAL INTERESTS:**

- Transportation Planning
- Urban and Regional Planning
- Strategic Planning
- Travel Demand Modeling and Forecasting
- Infrastructure and Public Utilities Planning and Development
- Infrastructure Economics and Finance
- Smart Transportation/Intelligent Transportation Systems
- Traffic Systems Management
- Traffic and Safety Engineering
- Pavement Management Systems
- Engineering Education

**PROFESSIONAL ASSOCIATIONS:**

- American Society of Civil Engineers
- Institute of Transportation Engineers
- Transportation Research Board
- World Conference on Transport Research Society
- American Society for Engineering Education
- The Association of Energy Engineers

- Engineers Association, Jerusalem Center
- Road and Environmental Safety Center, Ramallah, Palestine

#### **ACADEMIC EXPERIENCE:**

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

#### **PROFESSIONAL DEVELOPMENT:**

- **Improving Quality of Higher Education**, The World Bank, Ministry of Higher Education, Chile, 2005.
- **Curriculum Development in the Field of IT**, Korean International Development Agency, Seoul, Korea, 2005.
- **Roadway Value Engineering**, Transportation Partnership in Engineering Education Development, University of Washington, October 1999.
- **Managing Project Delivery**, Transportation Partnership in Engineering Education Development, University of Washington, September 1999.
- **Advanced Traffic Engineering**, Transportation Partnership in Engineering Education Development, University of Washington, May 1999.
- **Using the Internet for Teaching and Learning in the Scientific and Engineering Environment**, UNESCO, Cairo University, Egypt, December 1998.
- **Building Interactive Multimedia for Technical Education and Training Using Multimedia Software Tools**, UNESCO, Birzeit University, Palestine, June 1998.
- **Modernizing Basic and Engineering Sciences University Education Through Computational and Networking Technologies**, UNESCO, Jordan University of Science and Technology, Irbid, Jordan, May 1997.
- **Travel Demand Modeling with TransCAD**, Caliper Corp., Newton, Massachusetts, U.S.A,

January 1997.

**TEACHING EXPERIENCE:**

Lectured in the following courses:

- **B.Sc. Courses** (for Civil Engineering Students):
  - Transportation Systems Engineering I
  - Transportation Systems Engineering II
  - Transportation Systems Engineering III
  - Traffic Systems Management
  - Advanced Road Design
  - Advanced Topics in Civil Engineering (Transportation Planning)
  - Civil Engineering Specifications
  - Computer Applications in Civil Engineering
  - Materials of Construction
  - Introduction to Engineering
  - Introduction to Computing
  - Graduation Project I
  - Graduation Project II
  
- **M.Sc. Courses** (for Civil Engineering, Urban and Regional Planning, and Engineering Management Students):
  - Urban Transportation Planning
  - Analysis of Transportation Systems
  - Strategic Decision Making
  - Design of Transportation Facilities
  - Design of Highways and Streets
  - Planning and Design of Airports
  - Transportation Systems Management
  - Scientific Research
  - Thesis

**CONTINUING EDUCATION:**

Lectured in the following Continuing Education programs:

- **Urban Strategic and Development Planning**, Client: Municipal Development and Lending Fund, 2011-2017.
- **Operations and Maintenance of Infrastructure (Buildings and Roads)**, Client: Engineers Association, Funded by GIZ, 2014.
- **Fixed Assets Registration and Management**, Client: Municipal Development and Lending Fund, 2014.
- **Geometric Design of Roads and Pavement Design**, Client: Municipal Development and Lending Fund, 2014.
- **Operations and Maintenance for Roads**, Client: Municipal Development and Lending Fund, 2013.
- **Capacity Building of Municipal Engineering Staff in Roads Projects and Quality Control**, Client: Municipal Development and Lending Fund, Funded by the Government of Japan

and administered by the World Bank, 2009-2010.

- **Urban and Regional Transportation Planning**, as part of Urban and Regional Planning Course, Birzeit University, Sept.- Oct. 1994.
- **Pavement Mixtures and Asphalts** Training Program, An-Najah National University, Feb. 1994.

#### **GRADUATE STUDENTS SUPERVISION:**

- **The Use of Traffic Assignment Modeling Technique in Testing and Evaluating Transportation Policies and Projects: Nablus City Case Study**, M.Sc. Thesis in Transportation Engineering, Rania Douleh, defended April 2000.
- **Developing a Safety Management Tool Using Geographic Information Systems**, M.Sc. Thesis in Transportation Engineering, Fawz Kobari, defended May 2000.
- **Parameters of Peoples' Satisfaction Towards Streets in Nablus City**, M.Sc. Thesis in Urban and Regional Planning, Sahera Bleibleh, defended June 2001.
- **The Landscaping of Palestinian Cities' Entrances (The Case of the Western Entrance of Nablus City)**, M.Sc. Thesis in Urban and Regional Planning, Fidaa' Yaseen, defended Feb. 2002.
- **Urban Planning and Sustainable Development**, M.Sc. Thesis in Urban and Regional Planning, Majd Idreekh, defended Sept. 2005.
- **GIS as a Tool for Route Location and Highway Alignment**, M.Sc. Thesis in Transportation Engineering, Imad Dawwas, defended Oct. 2005.
- **The Impact of Ministry of Transport Policies in Public Transport in Palestine**, M.Sc. Thesis in Transportation Engineering, Amjad Eisa, defended March 2006.
- **Transportation Strategic Planning Under Uncertainty: The Palestinian case**, M.Sc. Thesis in Engineering Management, Reema Bdeir, defended 2011.
- **Strategic Planning for e-Local Government in Palestine**, M.Sc. Thesis in Engineering Management, Nibal Odeh, defended 2011.
- **Decision Making for the Selection of the Most Appropriate Structural System in Palestine**, M.Sc. Thesis in Engineering Management, Hanan Muhsen, defended 2012.
- **Strategies for Human Resources Development in the Palestinian Universities**, M.Sc. Thesis in Engineering Management, Sami Sader, defended 2013.
- **A Strategic Framework for Successful e-commerce in Palestine**, M.Sc. Thesis in Engineering Management, Dima Qadri, defended 2013.
- **Developing Trip Generation Models Utilizing Linear Regression Analysis: Jericho City as a Case Study**, M.Sc. Thesis in Transportation Engineering, Alaa Dodeen, defended 2014.
- **Neighborhoods Strategic Planning: Directions for Future Development**, M.Sc. Thesis in Engineering Management, Sahar Fares, defended 2014.
- **Assessment of Multimedia Based Blended Learning Engineering Courseware at An-Najah National University**, M.Sc. Thesis in Engineering Management, Walaa Johari, defended 2015.
- **A Proposed Model for Multi-Level Strategic Development Planning in Palestine**, M.Sc. Thesis in Engineering Management, Tasbeeh Khayyat, defended, 2015.
- **Major Challenges facing the Implementation of the FIDIC in Construction Projects in Palestine**, M.Sc. in Engineering Management, Mohammad Tuffaha, defended, 2015.
- **Transportation Mode Choice Model for Palestinian Universities: A Case Study on An-Najah New Campus**, M.Sc. in Transportation Engineering, Dina Abdulhaq, defended, 2016.

- **Strategic Planning towards Sustainable Palestinian Neighborhoods**, M.Sc. Thesis in Urban and Regional Planning, Deemah Salameh, defended 2017.
- **Transferability of Trip Generation Models for Palestinian Cities: Jericho and Salfit**, M.Sc. in Transportation Engineering, Amad Amer, defended, 2018.

#### **HONORS:**

- Fellowship, Palestinian-German Science Bridge Fellowship, Forschungszentrum Jülich, Germany - with Chraibi, M., to conduct research on Pedestrian-Vehicle Interaction at Un-signalized Mid-blocks considering Multi-Modal Simulation Modeling, 2017.
- Fellowship, Palestinian-German Science Bridge Fellowship, Forschungszentrum Jülich, Germany - with Kuckshinrichs, W., to conduct research on Transformation of Palestine Energy System, The Transport Sector, 2017.
- First Rank, Excellence in e-Learning Prize, An-Najah National University, Nablus, Palestine, 2015.
- Pioneer in e-Learning Award, An-Najah National University, Nablus, Palestine, 2015.
- Ministry of Education and Higher Education (Council of Scientific Research) Grant, 2014-2015.
- Supervisor of the Students M. Younis, M. Yusuf and A. Shtaiwi, Graduation Project on the Corridor Design between the West Bank and Gaza winning the 2006 BE Award of Excellence - Bentley Empowered International Award, Academic: University/College, Engineering, 2006.
- The Islamic Development Bank Prize for Science and Technology, 2004 (with a team of University Professors).
- Lille University, France, Grant for Visiting Professors, 2004.
- UNESCO Research Grant, 1999-2003.
- Fulbright Scholarship, USA, Grant for Conducting Research at University of Washington, 1999.
- WHO'S WHO in Science and Engineering, 1998.
- UNDP Grant, 1990.
- DAAD, Germany, Scholarship, 1990.
- AMIDEAST, USA, Research Grant, 1989.
- CHI EPSILON, National Civil Engineering Honor Society, The Pennsylvania State University, USA, 1986.
- Dean's List, Department of Civil Engineering, Pennsylvania State University, USA, 1983-1987.
- Part-Time Teaching and Research Assistantship, Pennsylvania State University, USA, 1983-1987.
- AMIDEAST, USA, Scholarship for the M.Sc. and Ph.D. Degrees, 1983-1987.
- Dean's List, Department of Civil Engineering, Faculty of Engineering, University of Jordan, 1982.
- IAESTA Training Scholarship, The Norwegian Institute of Technology, Trondheim, Norway, 1981.

#### **COMMITTEES AND ACTIVITIES:**

- Referee, Computer Applications in Engineering Education, John Wiley & Sons, 2018-

Present.

- Referee, Arabian Journal for Science and Engineering, Springer, 2018-Present.
- Member, Consultative Committee, The Eighth International Forum on Engineering Education (IFEE 2017), Sharjah University, U.A.E., 2017.
- Head, Scientific Committee, The Second International Conference for Learning and Teaching in the Digital World/Smart Learning, An-Najah National University, Nablus, Palestine, 2017.
- Chairman of Committee, Establishment of Endowment Fund at An-Najah National University, Nablus, Palestine, 2017-Present.
- Head, Scientific Committee, Engineers Association, Jerusalem Center, Palestine, 2016-Present.
- Member, Steering Committee on the Preparation of the Engineers Association Strategic Plan 2016-2020, formed by the Engineers Association Board, Jerusalem Center, 2016-2017.
- Member, Technical Advisory Team for the Preparation of Resilience Strategy for Ramallah 2050, Ramallah, Palestine, 2016-2017.
- Head, Scientific Committee, Engineers Association, Jerusalem Center, Palestine, 2016-Present.
- Member, The Higher Council for Engineers' Qualification and Accreditation, Engineers Association, Jerusalem Center, Palestine, 2016-Present.
- Member, The Palestinian Delegation to kick-off the Joint Research and Education Programme "Palestinian-German Science Bridge PGSB", Forschungszentrum Jülich GmbH and Palestine Academy for Science and Technology, Jülich, Germany, 2016.
- Coordinator, Mobility and Urban Liveability Workshops, Palestinian-Belgian Universities Cooperation, An-Najah National University, VUB University, and Antwerp University, 2016.
- Head, Committee to Prepare for the Assessment of the University Information Technology and Development of Action Plan, formed by the University President, An-Najah National University, 2015.
- Referee, Transportation Research Journal, 2015-Present.
- Member, Scientific Committee, Engineers Association, Jerusalem Center, Palestine, 2015.
- Member, The Expert Support Group, in collaboration with the International Advisory Board, Support to Palestinians at Risk of Displacement in Israeli Controlled Area C of the West Bank, UN-Habitat and Ministry of Local Government, 2015.
- Member, Strategic Thinking Forum, Palestine, 2015.
- Head, Sub-Committee of Smart, Green and Eco University/Committee on the Preparation of the University Strategic Plan 2016-2020, formed by the University President, An-Najah National University, 2014-2015.
- Member, Sub-Committee of Information Technology/Committee on the Preparation of the University Strategic Plan 2016-2020, formed by the University President, An-Najah National University, 2014-2015.
- Member, Steering Committee on the Preparation and follow up of the Implementation of the University Strategic Plan 2016-2020, formed by the University President, An-Najah National University, 2014-Present.
- Head, Committee on Assessment of Students Specialization, Faculty of Engineering, An-Najah National University, 2014-2015.
- Referee, International Journal of Engineering Management and Economics (IJEME), 2014-Present.

- Member, Committee to Oversee the Development of (Massive Open Online Course) on Palestine, An-Najah National University, 2014.
- Reviewer, the Palestinian National Development Plan 2014-2016, the Palestinian Minister of Planning, 2014.
- Member, National Higher Committee to Review and Develop the Education Sector in Palestine, formed by the Palestinian Prime Minister, 2013-2015.
- Member, Review Committee of the Traffic Law, Ministry of Transport, 2013-2014.
- Member, The Educational Council, The Institute of Transportation Engineers, 2013-Present.
- Member, Scientific Committee, The International Conference on Civil Engineering, Engineers Association, Jerusalem Center, Palestine, 2013.
- Member, Scientific Committee, Capacity Building for Rural Development Conference, Birzeit University, 2013-2014.
- Member, Committee on Assessment of E-Learning Courses, An-Najah National University, 2013-Present.
- Referee, Open Journal of Civil Engineering, 2013-Present.
- Member, Scientific Committee, The First Scientific Conference, College of Science and Technology, Khan Younis, 2013.
- Steering Committee, First Symposium on Road and Urban Transport, Ministry of Transport and EuroMed Transport Programme, EU, 2012-2013.
- Head, Scientific Committee, Faculty of Engineering, An-Najah National University, 2012-Present.
- Founding Member, The Palestinian Intelligent Mobility Team, Ramallah, Palestine, 2012-Present.
- Member, Committee on Conformance with ABET, Department of Civil Engineering, An-Najah National University, 2012-Present.
- Member, Technical Committee, The 4th International Engineering Conference (IEC4), The Islamic University in Gaza, 2012.
- Member, Committee on Graduation Projects, Department of Civil Engineering, An-Najah National University, 2012-2013.
- Member, Technical Committee, The Palestinian Urban Forum I, March 2012.
- Head, Committee on Preparing the Vision, Mission and Intended Learning Objectives, Faculty of Engineering, An-Najah National University, 2011-2012.
- Head, Committee on Preparing the Vision, Mission and Intended Learning Objectives, Department of Civil Engineering, An-Najah National University, 2011-2012.
- Head, Committee on Engineering Programs and Market Needs, Faculty of Engineering, An-Najah National University, 2011.
- Head, Committee on Graduation Projects, Department of Civil Engineering, An-Najah National University, 2011-2012.
- Member, Technical Committee, The 3rd International Engineering Conference (IEC3), The Islamic University in Gaza, 2011.
- Head, Committee on Program Quality, Department of Civil Engineering, An-Najah National University, 2010-2011.
- Member, Scientific Research Committee, An-Najah National University, 2009-2012.
- Member, Editorial Board, An-Najah Journal of Research, 2008-2009.
- Head, Committee for Planning and Development of Nablus Governorate, An-Najah National University, 2008.



- Member, An-Najah Prize for Research Committee, An-Najah National University, 2008.
- Member, The Palestine Strategy Study Group, Oxford, 2008-Present.
- Head, GIS Development Committee, An-Najah National University, 2006.
- Member, The Organizing Committee for the Conference on Development and Reconstruction in Palestine, An-Najah National University, 2006.
- Referee, American Society of Civil Engineers' Journal of Infrastructure, 2006-Present.
- Coordinator, the Workshop on Strategic Planning for Nablus Governorate, Palestine, 2006.
- Chairperson, the Development Council for Nablus Governorate, 2005-2006.
- Member, Promotion Committee, An-Najah National University, 2005-2006.
- Member, The Higher Education Planning Committee, Ministry of Education and Higher Education, Ramallah, Palestine, 2005-2006.
- Member, Quality Improvement Fund Board, The Ministry of Education and Higher Education, 2005-2006.
- Member, Administrative Board, United Arab Emirates Friends Society, Jerusalem, 2005-2007.
- Member, Quality Improvement Board, An-Najah National University, 2005-2006.
- Evaluator for various civil engineering related programs for Accreditation and Quality Assurance Commission (AQAC), Ministry of Education and Higher Education (MOEHE), Palestine, 2004-Present.
- Head, An-Najah National University Strategic Plan Steering Committee, An-Najah National University, 2004-2006.
- Member, Scholarships Committee, An-Najah National University, 2004-2006.
- Head, e-Education Committee, An-Najah National University, 2004-2006.
- Member, The Committee on the Dialogue between The Council of Palestinian Universities Faculty and Staff Unions, Presidents of Universities, and the Ministry of Education and Higher Education, 2003-2004.
- Elected Vice-President, An-Najah National University Faculty and Staff Union, 2003-2004.
- Coordinator, Transportation Engineering Faculty Group, Civil Engineering Department, An-Najah National University, 2003-2004.
- Coordinator, Graduate Program in Transportation Engineering, Civil Engineering Department, An-Najah National University, 2003-2004.
- Member, The Organizing Committee, The Second Palestinian Engineering Conference, An-Najah National University, 2002.
- Member, Editorial Board, An-Najah Journal of Research, 2001-2003.
- Head, Committee for the Election of Faculty of Engineering Council Members, The Faculty of Engineering, An-Najah National University, 2001-2004.
- Elected Member, The Faculty of Engineering Council, An-Najah National University, 2000-2001.
- Referee, Transportation Research Record, 2000-Present.
- Elected Member, An-Najah National University Faculty and Staff Union, 2000-2001.
- Member, The Committee on the Development of the Faculty of Engineering, An-Najah National University, 2000-2001.
- Member, Remote Education Center Committee, An-Najah National University, 2000.
- Session Coordinator, The Conference on Consulting in Palestine-Reality and Aspirations, The Engineers Association, Jerusalem Center, 2000.
- Member, Control Committee, An-Najah National University Cooperative Society, An-Najah

National University, 2000-2005.

- Member, Al-Qasem Palace Conservation Committee, An-Najah National University, 2000-2004.
- Coordinator, The Workshop on Urban Planning in Palestine, The Ministry of Planning and International Cooperation, 2000.
- Member, Sabbatical Leave Committee, An-Najah National University, 1998-2006.
- Elected Vice-President, An-Najah National University Faculty and Staff Union, 1998-1999.
- Member, The Advisory Committee on the Establishment of the New Buildings of the Faculty of Engineering, An-Najah National University, 1997-1998.
- Elected Member, The General Conference, The Engineers Association, Jerusalem Center, The West Bank, Palestine, 1997-1999.
- Elected President, An-Najah National University Faculty and Staff Union, 1997-1998.
- Advisor, The Ministerial Committee on Transportation in Palestine, 1997-1998.
- Member, The Technical Advisory Committee for the Development of al- Badhan Touristic Area, The Ministry of Tourism and Antiques, 1997-1998.
- Elected President, The Council of Unions for Faculty and Staff Unions in Palestine, 1997-1998.
- Member, The National Science and Engineering Panel, Technology Planning Directorate, The Ministry of Planning and International Cooperation, 1997-1998.
- Member, The Palestinian National Commission for Education, Culture and Science, Ramallah, 1996-1997.
- Member, The Board of Trustees of the Center for Palestine Research and Studies, Nablus, 1996-2002.
- Founding Member, The Students Friends Society, Nablus, 1996-Present.
- Member, Editorial Board, An-Najah Journal of Research, An-Najah National University, 1996-1998.
- Founding Member, The Palestinian Roads Society, Nablus, 1995.
- Member, The University Counseling and Registration Committee, An-Najah National University, 1995-1996.
- Founding Member, The Palestinian-Australian Friendship Society, Jerusalem, 1995.
- Member, The Advisory Board, Institution Building Capacity Project for Physical Planning in Palestine, The Ministry of Planning and International Cooperation, 1994-1995.
- Member, The Higher Studies Committee, An-Najah National University, 1994-1995.
- Member, The Computerized Telecommunications Committee, An-Najah National University, 1994.
- Member, The Technology and Vocational Education Committee, The Palestinian Higher Education Council, Jerusalem, 1993-1994.
- Elected Member, Beit Wazan Charitable Society, 1993-1998.
- Member, The Engineering Advisory Committee, The Housing Cooperative Association of An-Najah National University Personnel, An-Najah National University, 1993-2005.
- Member, The Palestinian Counterpart Team to the World Bank, Jerusalem, 1993-1994.
- Member, The University Diamond Jubilee Committee, An-Najah National University, 1993.
- Chairman, The Organizing Committee, The First Palestinian Conference in Civil Engineering, An-Najah National University, 1992-1993.
- Member, The Technical Committee, The First Palestinian Conference in Civil Engineering, An-Najah National University, 1992-1993.

- Member, Al-Handasah Editorial Board, The Journal of the Engineers Association, Jerusalem Center, 1992-1993.
- Vice President, Academic Research Center, Nablus, 1992-1994.
- Elected Member, Al-Tadamun Charitable Society, Nablus, 1992-1998.
- Member, The Computer Center Administration Council, An-Najah National University, 1992-1994.
- Elected Member, An-Najah National University Faculty and Staff Union, 1992-1993.
- Referee, An-Najah Journal of Research, 1991 to Present.
- Elected Member, The Faculty of Engineering Council, An-Najah National University, 1991-1992.
- Member, Data Bank Project Committee, An-Najah National University, 1990-1991.
- Member, The Advisory Committee for the Center of Rural Studies, An-Najah National University, 1990-1991.
- Member, Editorial Board, An-Najah Journal of Research, 1989-1991.

#### **SELECTED CONSULTING EXPERIENCE:**

- **Spatial Development Strategic Plan for Tubas/North Jordan Valley Governorate and Qalqilya Governorate, UNDP and UN-HABITAT**, funded by: UKaid, 2015-2016.
- **Consultancy on the Preparation of the Road and Transportation Master Plan for Gaza and the West Bank**, with Systematica, Italy, for the benefit of the Ministry of Transport, Funded by: The European Investment Bank, 2015-2016.
- **Consultancy on the Preparation of the Spatial Development Framework Plan, Traffic and Transportation Plan for Ramallah, Al-Bireh, and Beituniya Municipal Area, and Aerial Photography For Beituniya**, for the benefit of the Ramallah, Al-Bireh, and Beituniya municipalities, 2015-2016.
- **Consultancy on the preparation of the Spatial Development Strategic Plans for Qalqilya and Tubas and North Jordan Valley Governorates (2016-2022)**, for the benefit of the Ministry of Local Government, , Funded by: DFID, UK, 2015-2016.
- **Consultancy on the Economic Development Spatial Forecasting for Transport, Distribution & Logistics in the independent State of Palestine**, for the benefit of the National Spatial Plan Office, Funded by: UN-Habitat, 2014-2015.
- **Consultancy for preparation of the Promotion Package for Traffic and Transportation Plan in Ramallah, Al-Bireh, and Betunia Municipal Areas**, Funded by: GTZ, 2014-2015.
- **Team leader, Supporting the Implementation, Evaluation and Update Phases of the Strategic Development and Investment Plans in selected municipalities in Nablus and Tubas Governorates**, Client: Municipal Development and Lending Fund, 2012-2013.
- **Technical Audit for the Village and Neighborhood Development Project (VNDP) to Assess the Compliance of Implemented Sub-projects with Technical Specifications**, Client: Ministry of Local Government, Fund by the World Bank, 2012-2013.
- **Team leader, Strategic Planning and Development Investment Project, for Cluster 02, for the cities of Nablus and four other towns in Nablus and Tubas Governorates**, Client: Municipal Development and Lending Fund, 2011.

- **Consultancy for preparation of the TOR for Traffic and Transportation Plan in Ramallah, Al-Bireh, and Betunia Municipal Areas**, Funded by: GTZ, 2011-2012.
- **Team leader and Strategic Planning Consultant, Strategic Planning for Nablus Governorate**, Client: Nablus Governorate Stakeholders, 2009-2010.
- **Team leader, Traffic and Road Design Expert, Consultancy for Developing Traffic and Roadway Safety Manual**, beneficiary: Ministry of Transport, Funded by: GTZ, 2009-2010.
- **Consultant, Capacity Building of Municipal Engineering Staff in Roads Projects and Quality Control**, Client: Municipal Development and Lending Fund, Funded by the Government of Japan and administered by the World Bank, 2009.
- **Strategic Planning Expert, Capacity Building on Strategic Planning**, Client: Al-Rawda and Andaleeb Al-Amad Community Colleges, Funded by: Quality Improvement Fund/The World Bank, 2009.
- **Consultant, Urban Planning, City Development Strategies for the Cities of Ramallah, Al-Bireh and Betunia**, An-Najah National University in cooperation with Universal Group for Engineering and Consulting, Nablus, Palestine, Financed by GTZ, Germany, 2006.
- **Advisor, The Institutional Building Project for Physical Planning in Palestine, The Palestinian Ministry of Planning and International Co- operation**, Responsibilities include supervising the establishment of a land- use/transportation unit, and overseeing transportation planning activities in the Palestinian territories, 1995-1999.
- **Senior Consultant, Transportation and Planning, Universal Group for Engineering and Consulting, Nablus, Palestine, 1993-2006 and 2007-Present**, Consultant in projects such as:
  - **Consultancy Services for Detailed Engineering Design of Roads, Water, Sewer and Storm Systems for the Jericho Gate Development Project**, Client: Jericho Gate for Real Estate Investment Co., PADICO, Ramallah, Palestine, 2014-2015.
  - **Consultancy Assignment for Preparation of Master Plans in Selected Communities (C Areas) in the West Bank (Ramallah, Hebron, and Jenin Governorates)**, Client: Ministry of Local Government, Funded by: Belgium Cooperation, 2014-2015.
  - **Fixed Assets Registration and Valuation**, Client: MDLF, 2014-2015.
  - **Review and Update of Libya Road Design Manual**, Client: CEC- Jordan, 2014.
  - **Rehabilitation of Medvedev Street**, Client: Jericho Municipality, Funded by the Government of Russia, 2014.
  - **Traffic Count and Interview Survey on Logistics Improvement in Jordan Valley (West Bank Side)**, Client: JICA, Funded by the Government of Japan, 2014.
  - **Developing an Operation and Maintenance (O&M) System Manual and Coaching Municipalities on its Use**, Client: MDLF, 2013-2014.
  - **Preparation of a Strategic Development and Investment Plan for a Cluster of Selected Village Councils in Jerusalem District**, Client: JICA, Funded by the Government of Japan, 2013.
  - **Consultancy Assignment for Preparation of Master Plans in Selected Communities (C Areas) in Jenin and Tubas Governorates**, Client: Ministry of Local Government, Funded

by: Belgium Cooperation, 2013-2014.

- **Consultancy Assignment on Municipal Ranking Update According to the Grants Allocation Criteria “Transfer Mechanism” for 134 Municipalities in West Bank and Gaza**, Client: MDLF, 2013.
- **Consultancy Assignment to Design Internal Roads and Storm Water Drainage in Jenin**, Client: Jenin Municipality, 2013.
- **Consultancy Assignment for Developing the Physical Plan for Aqaba Town**, Client: Ministry of Local Government, 2013.
- **Consultancy Assignment for Developing Roads and Transportation Manual**, Client: MDLF, Funded by: the International Development Association (IDA), 2012.
- **Preparation of Master Plan and Engineering Design Services for Burham Land Development Project**, Client: Amaar Group, Palestine Investment Fund, 2012-2014.
- **Consultancy Assignment for Developing Bike Lane and Pedestrian Facilities on Jericho-Jerusalem Road**, Client: Jericho Municipality, Funded by: MDLF, 2012.
- **Consultancy Assignment for the Population Projections for the years 2025 and 2050, National Spatial Plan**, Client: Ministry of Planning, Funded by: UNFPA, 2011-2012.
- **Consultancy Assignment for Developing Physical and Strategic Plans in Selected Clusters-North West Bank**, Client: MDLF, Funded by: Belgium, 2011-2012.
- **Consultancy Assignment for Developing the Physical Plan for Al-Faraa**, Client: Ministry of Local Government, 2011-2012.
- **Consultancy Assignment for Developing the Physical Plans for Qabatya Cluster**, Client: MDLF, Funded by: Danish International Development Assistance and the International Development Association (IDA), 2011-2012.
- **Consultancy Services for the Rehabilitation of Tulkarm City Center**, Client: Tulkarm Municipality, 2011.
- **Design of Preparation of the Detailed Design and Works Tender Dossier for Rehabilitation of the Major Roads in Gaza Strip: The Salah Al Din Road and Al Karama Road (East of Gaza City)**, Client: International Management Group, Funded by the EC, 2011.
- **Preliminary Design of the Interchange on Ring Road of the Cities of Ramallah, Al Bireh and Betunia, and Al Bireh-Birzeit Road**, Client: The Joint Cooperation Unit for Cities of Ramallah, Al Bireh and Betunia, 2011.
- **Planning and Design of Ring Road of the Cities of Ramallah, Al Bireh and Betunia**, Client: The Joint Cooperation Unit for Cities of Ramallah, Al Bireh and Betunia, 2010-2011.
- **Re-Design of the Master Plan and Design of the Infrastructure of Al- Ersal Center, Al Bireh**, Client: The Palestine Investment Fund/Arduna, 2010.
- **Supervision Consultancy Services for the Rehabilitation of Ramallah City Center**, Client: Ramallah Municipality, 2010-2011.
- **Local Consultancy Services for the Municipal Development Program in the Northern**

- Governorates**, Client: The Municipal Development and Lending Fund, 2010-2011.
- **Design of Roads and Traffic Systems for the New Quarters of Tubruq Town**, Universal Group as Sub-Consultant to Day Architects, France, Client: Housing and Infrastructure Board, Libya, 2010.
  - **Review of Road Design for That Al Remal Town**, Universal Group as Sub-Consultant to MVV DECON GmbH, Germany, Client: Housing and Infrastructure Board, Libya, 2009.
  - **Improvement of Internal City Roads in Jericho**. Beneficiary: Jericho Municipality. Funded by: Government of Japan. Administrated by: Japan International Cooperation System (JICS), 2009-2011.
  - **Consultancy Services for Design of Al-Manara-Plaza**, Client: Ramallah and Al-Bireh Municipalities, 2009-2010.
  - **Traffic Study for the Construction of a Bypass Road in Jericho City**, Client: Japan International Cooperation Agency (JICA), Beneficiary: Jericho Municipality, 2009.
  - **Design of Roads Infrastructure for the National Park at Al-Bireh, project engineer**. Client: PEC DAR, in cooperation with Habash and Sakakini Associated Engineers of Palestine and Hammad Engineering and Architecture of Jordan, 2009-2010.
  - **Engineering Services for the Construction of the Entrance Tunnel for the Parking Garage of Nablus Commercial Complex**, Client: Nablus Municipality, 2009.
  - **Consultancy Services for Rehabilitation of Al-Bireh City Center**, Client: Al-Bireh Municipality, 2008-2009.
  - **Planning and Design of Internal Roads and the Access Road for Rawabi New Town**, Client: Bayti Co., 2008-2010.
  - **Design and Preparation of Tender Documents for the Rehabilitation/ Reconstruction of Nablus-Deir Sharaf Road**, Client: Ministry of Public Works and Housing, 2008.
  - **Rehabilitation of Ramallah City Center**, Client: Ramallah Municipality, 2008.
  - **The Local Government Capacity Building Project, Advisor**, Client: The Municipal Development and Lending Fund, 2007-2008.
  - **The Local Municipal Development Project in the Northern West Bank – Pilot Phase, Advisor**, Client: The Municipal Development and Lending Fund, 2007-2008.
  - **Back-Stopping Planning Expert, Defining Spatial Structure for Public Service Centers in the West Bank and Gaza Strip**, Client: Ministry of Planning, 2007.
  - **Transportation Feasibility Study for Linking the West Bank and Gaza Strip, Local Team Leader and Transport Planner**, Sub-Consultant: Universal Group, Consultant: The Louis Berger Group, U.S.A., Client: USAID, 2005-2006.
  - **Consulting Services for Establishing of Mapping Agency Palestine (MAP)**, Sub-Consultant: Universal Group, Consultant: As Plan Viak, Norway, Client: Ministry of Planning, 2005.
  - **Transportation Study for Ramallah-Al Bireh-Beitunia Metropolitan Area (RABMA) Plan, Senior Transportation Planning Expert**, Client: Ministry of Local Government, 2005-2006.

- **Municipal Infrastructure and Services Assistance Project**, Client: Ministry of Local Government, 2005-2006.
- **Evaluation of Implemented Small Scale Projects, Project Manager**, Client: PECDAR, 2005.
- **Infrastructure Assessment for the West Bank and Gaza: Transport Sub-Sector Assessment, Team Leader and Transport Planner**, Client: The World Bank, 2004.
- **Physical Damage Updating for the West Bank And Gaza**, Project Manager, Client: Local Aid Coordination Committee and the World Bank, 2004-2005.
- **Design of Dubai-AI Fujeira Highway, U.A.E.**, Universal Group as Sub-Consultant to Wilbur Smith Associates, U.S.A., in association with Universal Group, Client: Dubai Emirate, 2003.
- **Local Consultancy Services for Monitoring, Assisting and Reporting on the Emergency Municipal Services Rehabilitation Project. Project Manager**, Client: The Ministry of Local Government, funded by the World Bank, 2003-2005.
- **Review of Employment Generation Schemes, Project Manager**, Client: The World Bank, 2002.
- **Municipal Finance Sector Study, Project Manager**, Client: The World Bank, 2002.
- **The Follow-up of the Implementation of the Islamic Development Bank Activities in the West Bank, Project Manager**, Client: The Islamic Development Bank, 2001-2003.
- **Gaza Logistics Facility, Local Team Leader and Transport Planner**, The Louis Berger Group, U.S.A., in association with Universal Group, Client: USAID, 2001-2002.
- **The Evaluation of Emergency Response Program Projects, Project Manager**, Client: The World Bank, 2001.
- **Assessment of Physical Damage to the Infrastructure in the West Bank, Project Manager**, Client: The World Bank, 2001-2002.
- **Nablus and Rafah Local Industrial Estate**, Universal Group, sub-consulted from The Services Group, U.S.A., Client: USAID, 2001.
- **Preparation of the Master Plan for Khadouri Technology Development Center**, Universal Group, sub-consulted by: The Services Group, U.S.A. Client: USAID, 2001.
- **Design of Nablus-Jenin Highway, Local Team Leader and Transport Planner**, Wilbur Smith Associates, U.S.A., in association with Universal Group, Client: USAID, Beneficiary: Ministry of Public Works, 2000-2001.
- **Traffic System Management for Jenin, Tulkarm and Qalqilya, Traffic Expert**, Wilbur Smith Associates, U.S.A., in association with Universal Group, Client: PECDAR, 2000.
- **Preliminary Design for Khadouri Technology Development Center**, Wilbur Smith Associates, U.S.A., in association with Universal Group, Client: USAID, 2000.
- **Program Development and Feasibility Study for a West Bank Highway Corridor**, Wilbur Smith Associates, U.S.A., in association with Universal Group, Client: USAID, 1999.
- **Design of Roads in the West Bank Districts**, Client: PECDAR, 1999-2000.
- **Development of a Central Roads Administration in Palestine, Senior Highway**

- Engineer**, Dornier SystemConsult, Germany, in association with Universal Group for Engineering and Consulting. Client: PECDAR (TAT), 1998-2000.
- **Development of the Master Plan for the New Campus of An-Najah National University**, Jafar Tukan and Partners, in association with Universal Group, 1998.
  - **The Old City of Jerusalem Revitalization Program**, Client: Center for Development Consultancy and Welfare Foundation, 1998.
  - **Bethlehem 2000 Conceptual Emergency Master Plan**, Client: UNESCO, 1998.
  - **Nablus Traffic System Management Study, Traffic Engineering Expert**, Dornier SystemConsult, Germany, in association with Universal Group. Client: PECDAR (TAT), 1998.
  - **Feasibility Study for Jenin Industrial Estate Project, Senior Planning/ Transportation Expert**, Universal Group, in association with GITEC, Germany, and CEC, Jordan. Client: KfW and Ministry of Industry, 1997-1998.
  - **Low Income Housing Project (Izbet Beit Hanoun, Gaza), Head of the Infrastructure Planning and Design Team, Universal Group for Engineering and Consulting, in association with Consolidated Consultants, Jordan**. Client: PADICO, 1995-1996.
  - **Traffic System Management for Ramallah/AI-Bireh and Bethlehem, Traffic Expert**, Wilbur Smith Associates, U.S.A., in association with Universal Group, Client: PECDAR, 1995-1996.
- **Freelance Consultant**, 1987-1993, Consultant in projects such as:
    - **Transportation Planning and Assessment of Short-Term Transportation Infrastructure Needs for the Palestinian Territories in the West Bank and Gaza Strip**, as part of the "Program Development of the Palestinian National Economy for the Years 1994-2000", sponsored by the Department of Economic Affairs and Planning, PLO, Tunis.
    - **Participation as an Infrastructure Planning Expert in preparing the study: "Masterplanning the State of Palestine"**, sponsored through the Center for Engineering and Planning, Ramallah.
    - **Analysis and Evaluation of the Transportation and Communication systems in the West Bank and Gaza Strip**, sponsored by Policy Research Inc., U.S.A., and funded by USAID.
    - **Analysis, Evaluation and Planning the Development for Public Utilities in the West Bank and Gaza Strip**, sponsored by the United Nations Conference on Trade and Development (UNCTAD).
    - **Studying and Modeling the Regional Transportation Network and Forecasting Travel Demand for the West Bank and Gaza Strip**, sponsored by United Nations Development Program (UNDP).
    - **Served as the Principal Investigator on "Future Transportation Infrastructure Needs for the Palestinian People in the West Bank and Gaza Strip"**, which was published by the United Nations General Assembly in 1989, and **"Local Village Roads in the West Bank: Masterplan for Future Development"**, in co-operation with the CEP, Ramallah, sponsored by the United Nations Center for Human Settlements (Habitat).



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- **"Evaluation of Implementation of Municipal Roads Maintenance Plans in Palestine: A Pilot Case Study"**, International Journal of Pavement Research and Technology, 2017, Vol. 10, No. 5, pp. 454-463 - with Issa, A.
- **"Strategic Planning for Sustainable Neighbourhoods: A Case Study from Palestine"**, Proceedings of the World Sustainable Built Environment Conference 2017 Hong Kong, forthcoming, Hong Kong, 2017, pp. 2678-2684 - with Haj Hussein, M., and Salameh, D.
- **Sustainable Mobility and Urban Transformations in Palestine**, in Transforming Mobility: Collective Transport and Spaces in Nablus and Ramallah, Vanin, F., and Boussauw, K. (eds.), Vrije Universiteit Brussel, 2017, pp. 21-29 - with Al-Sahili, K.
- **"The Relationship between Transportation and Climate Change: Need for a National Strategic Framework for Clean Sustainable Transportation in Palestine"**, Proceedings of the 1st International Conference on Climate Change, Palestine Engineers Association and the Federation of Arab Engineers, Al-Bireh, Palestine, 2017, pp. 157-164 - with Dwaikat, A.
- **"Modeling Travel Behavior Based on Household Characteristics"**, Proceedings of the International Conference on Advances in Sustainable Construction Materials & Civil Engineering Systems (ASCMCES-17), forthcoming, University of Sharjah, Sharjah, United Arab Emirates, 2017 - with Ghanim, M., and Dodeen, A.
- **"A Pioneer Model for Blended Learning in Engineering Education: An-Najah National University, Palestine"**, Proceedings of the Eighth International Forum on Engineering Education (IFEE 2017), forthcoming, University of Sharjah, Sharjah, United Arab Emirates, 2017 - with Affouneh, S.
- **"A Pilot Study on Smart Search for Optimal Parking Space Allocation"**, Journal of Engineering Research and Technology, Vol. 3, No. 3, 2016, pp. 73-77 - with Shakhshir, Z., and Abu-Eisheh, A.
- **"A Pilot Study on Modeling Pedestrian Mobility within an Urban Environment Using Advanced Technologies"**, Proceedings of the International Conference on Smart Cities Solutions, 2016, pp. 189-193 - with Elsaid, F., and Sayeh, W.
- **"Strategic Planning for the Transformation of a University Campus Towards Smart, Eco and Green Sustainable Built Environment: A Case Study from Palestine"**, in Expanding Boundaries: Systems Thinking in the Built Environment, Habert, G., and Schlueter, A. (eds.), vdf Hochschulverlag AG an der ETH Zürich, 2016, pp. 148-153 - with Hijazi, I. DOI 10.3218/3774-6, ISBN 978-3-7281-3774-6
- **"Development and Assessment of Multimedia-Based Blended Learning Engineering Courseware at An-Najah National University"**, in Information Technology in Higher Education, Shanableh, A., Hamed, K., Omar, M., and Bettayeb, M. (eds.), University of Sharjah, United Arab Emirates, 2016, pp. 48-56 - with Johari, W. ISBN 978-9948-10-122-2
- **"The Impact of Random Mid-Block Pedestrian Crossing on Urban Arterial Operational Characteristics in Developing Countries"**, International Journal of Engineering Management and Economics, Special Issue on Transport, Vol. 5, Nos. 3/4, pp. 169 – 180, 2015 - with Ghanim, M.
- **"Managing Transportation for Sustainable Built Environment by Developing a Traffic**

**Systems Management Course", Procedia-Social and Behavioral Sciences, No. 102, pp. 499 – 507, Elsevier, 2013 - with Ghanim, M.**

- **"Alternatives to Solve Traffic Problems on Faisal/Haifa Streets in Nablus CBD", Proceedings of the International Conference on Civil Engineering, Engineers Association, 2013 - with Qamhieh, D., Abdulhaq, and D., Herzallah, A.**
- **"The Impact of Mid-Block Crossing on Urban Arterial Operational Characteristics using Multimodal Microscopic Simulation Model", IEEE Xplore, 5th International Conference on Modeling, Simulation and Applied Optimization Conference Publication, IEEE, 2013 - with Ghanim, M.**
- **"Development and Evaluation of Traffic Systems Management Course for Sustainable Built Environment in Developing Countries", Transportation Research Board 92nd Annual Meeting, Washington, DC, USA, January 2013 - with Ghanim, M.**
- **"Human Resources Strategic Planning at Palestinian Universities", Proceedings of the 3rd Palestinian Conference for Human Resources Development at Palestinian Universities, Palestine Ahliya University, Bethlehem, 2012, with Sader, S.**
- **Strategic Analysis and Development of Electronic Government Strategies for the Palestinian Municipalities, Ministry of Local Government, Sponsored by GIZ, M.Sc. Thesis in Engineering Management, 2011, By: Odeh, N., Supervised by: Abu-Eisheh, S.**
- **"The National Perspective of Urban Planning", Proceedings of The Developmental Challenges Facing the Local Government in Palestine, An-Najah National University, July 2011- in Arabic.**
- **"Developing A Pilot Multimedia Tool For Transportation Engineering Education", Proceedings of The International Conference on Society and Information Technologies: ICSIT 2010, April 6-9, 2010, Orlando, Florida U.S.A. – with Abaza, O., and Awartani, N.**
- **"Assessing the Impacts of the Segregation Wall on the Palestinians using Geographic Information Systems", Proceedings of the Fifth National GIS Symposium in Saudi Arabia, April 26-28, 2010 - with El-Atrash, A.**
- **"Regaining the Initiative: Palestinian Strategic Options to End Israeli Occupation ", Palestine Strategy Study Group, Oxford Research Group, August 2008 - with Others.**
- **"The Palestinian Traffic Safety Program – Needs Assessment and Proposal for Development", Proceedings of the Fifth Conference on Traffic Safety, The Traffic Institute, Amman, Jordan, April 22-24, 2008 - with Al-Sahili, K. and Abu-Zant, H.**
- **"Strategic Planning for Higher Education in Palestine: The General Framework and An-Najah National University as a Model", Proceedings of the 2nd Conference on Planning & Development of Education and Scientific Research in the Arab States, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia, 2008.**
- **"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, 2006 - with Al-Sahili, K.**
- **"Current Data and Conditions and Future Priorities of the Palestinian Freight Transport", Transportation Research Board 85th Annual Meeting, Washington, DC, USA, 2006 - with Al-Sahili, K.**

- **"A Study on the Reality of the Graduates of Engineering Education Programs in Palestine"**, Proceedings of The Engineering Education Conference in Palestine: Reality and Ambitions, The Engineers Association- Jerusalem Center and Palestine Polytechnique University-Hebron, 2005, pp. 36-51.
- **"The Development and Connection of Highways between Palestine and the Arab Countries within an Integrated Framework"**, Proceedings of Arab Union Engineers Conference, Al-Manamah, Bahrain, 2005.
- **"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, 2004, Vol. 18, No. 2, pp. 285-313 - in Arabic.
- **"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, 2004, Vol. 20, No. 6, pp. 1042-1054.
- **"Traffic Signal Impacts on Air Pollution and Fuel Consumption in Downtown Nablus City"**, An-Najah University Journal for Research-A, An-Najah National University, 2004, Vol. 18, No. 1, pp. 97-114 - with Al-Sahili, K. - in Arabic.
- **"Evaluation of Physical Damage in the Fields of Construction and Infrastructure in the West Bank During the Israeli Aggression in Al-Aqsa Intifadah"**, Proceedings of the Conference on the Al-Aqsa Intifada and its Various Impacts on the Palestinian Society, An-Najah National University, Nablus, Palestine, 2004 - with Kobari, F. - in Arabic.
- **"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, 2003, Vol. 30, No. 2, pp. 235-248 - with Abaza, K. A.
- **"An Optimum Design Approach for Flexible Pavements"**, International Journal of Pavement Engineering, Taylor and Francis Publishers, UK, 2003, Vol. 4, No. 1, pp. 1-11 - with Abaza, K. A.
- **"Forecasting Automobile Demand Using A Dynamic Simultaneous- Equation System"**, Journal of Transportation Planning and Technology, Taylor and Francis Publishers, UK, 2002, Vol. 25, pp.311-331 - with Mannering, F. L.
- **"Traffic Systems Management Studies for Palestinian Cities: Implementation Assessment"**, Transportation and Traffic Studies, American Society for Civil Engineering, Washington, D.C., U.S.A, 2002, Vol. 1, pp. 210-217 - with Al-Sahili, K.
- **"An Overview of Road Safety in the Palestinian Territories"**, Transportation and Traffic Studies, American Society for Civil Engineering, Washington, D.C., U.S.A, 2002, Vol. 2, pp. 1063-1070 - with Kobri, F.
- **"Developing a Pilot Multimedia Tool for Engineering Education"**, Proceedings of the Conference on the Instructional Process in the Internet Age, An-Najah National University, Nablus, Palestine, 2001, pp. 161-170 - with Abaza, O. and Awartani, N.
- **"A 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, 2001 - with Abaza, K. A., Ashur, S. A., and Rabay'a, A.

- **"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, 2001, pp. 108-116.
- **Traffic Systems Management: Concepts and Applications**, The Palestinian Economic Council for Development and Reconstruction, Dahiet Al-Barid, Palestine, 2001 – with K. Al-Sahili.
- **"Developing and Implementing an Integrated Pavement Monitoring and Management Approach for the Palestinian Territories"**, An-Najah University Journal for Research-A, An-Najah National University, 2001, Vol. 15, pp. 99-118 – with Abaza, O.
- **"Transportation in the Old City of Jerusalem (Al-Quds)"**, Proceedings of the Revitalization of the Old City of Jerusalem (Al-Quds) Seminar, Jerusalem (Al-Quds), The Welfare Association, 1999.
- **"Implementing a Pavement Management System and Development of a Road Rehabilitation Plan for Village Access Roads in the West Bank, Palestine"**, Proceedings of the Conference on the Role of Scientific Research in Low Cost Road Projects, The Union of the Arab Scientific Research Councils and the Jordanian Ministry of Public Works, Amman, Jordan, 1998, with Abaza, K.
- **"Traffic System Management: An Appropriate Approach to Solve Traffic Problems in Medium-Sized Urban Areas"**, The Proceedings of The Jordanian Conference on Traffic and Environment, University of Jordan, 1997 - with Hamouda, M.
- **"Transportation Planning in Palestine"**, in Reconstruction in Palestine: Issues, Options, Policies and Strategies, Zahlan, A. (ed.), Arab Unity Study Center, Beirut, Lebanon, 1997 - in Arabic.
- **"Traffic Systems Management for Urban Areas in Developing Countries: Case Study: Ramallah/Al-Bireh, Palestine "**, The Proceedings of The Modernization of Engineering Works Conference, University of Aleppo, Syria, 1996, pp. 755-770 - with Hamouda, M.
- **"Palestinian-Jordanian Co-operation in the Field of Transportation"**, Al-Nadwa, Vol. 6, No. 2, pp. 59-67, World Affairs Council, Amman, March 1995- in Arabic.
- **"Transportation Planning for Urban and Rural Development in Palestine"**, in Urban and Rural Reconstruction in Palestine: Issues, Options, Policies and Strategies, The Palestinian Economic Council for Development and Reconstruction, Planning Unit, London, 1995.
- **"Transportation Planning for Ramallah/Al-Bireh Area: Needs and Directions for Future Planning"**, in Urban Planning and Development for Ramallah/Al-Bireh Area Workshop Proceedings, Ministry of Planning and International Co-operation, July 1995.
- **Public Utilities in the West Bank and Gaza Strip**, The United Nations Conference on Trade and Development, Geneva, 1994.
- **"Services Sectors and Activities: Transportation"**, in The General Plan for the Development of the Palestinian National Economy for Years 1994-2000. The Department of Economic Affairs and Planning, PLO, Tunis, 1994, Vol. 2, Part 4, pp. 931-971.
- **"Road Safety in the West Bank"**, Proceedings of the First Palestinian Conference in Civil Engineering, An-Najah National University, Nablus, 1993, pp. 280-305.
- **"The Adaptation of Appropriate Transportation Planning Methodologies for Developing**

**Countries** ", Proceedings of the Jordanian Conference on Civil Engineering, Vol.III, The University of Jordan, June 1992, Vol. III, pp. 787-808.

- **"Water Crisis in the West Bank: Present Condition and Directions for Future Solutions"**, Journal of Palestinian Studies, No.10, Nicosia, June 1992, pp. 61-85 - with Haddad, M. - in Arabic.
- **"Towards Appropriate Urban Transportation Planning"**, The Palestinian Engineer, No.19, West Bank Engineering Association, Dec.1991, - in Arabic.
- **"Dynamic Traffic Equilibrium with Discrete/Continuous Econometric Models"**, Transportation Science, Vol.24, No.2, May 1990, pp. 105-116 - with Mannering, F.L. and Arnadottir, A.T.
- **"An Integrated Intersection Flow Prediction, Capacity Analysis and Improvement Evaluation PC Tool"**, 1989 ITE Compendium of Technical Papers, Institute of Transportation Engineers, New York, USA, 1989, pp. 278-282.
- **Future Transportation Infrastructure Need for the Palestinian People in the West Bank and Gaza Strip**, The United Nations General Assembly, Submitted through The United Nations Center for Human Settlements (Habitat) and The Center for Engineering and Planning, Ramallah, Document No. A/44/534, New York, 1989 - with Abdulhadi, R., Khamaisi, R. and Masri, M.
- **"Discrete/Continuous Analysis of Commuters' Route and Departure Time Choice"**, Transportation Research Record, No. 1138, Transportation Research Board, 1987, pp. 27-34 - with Mannering, F.L.
- **"Traffic Forecasting for Small- to Medium-Sized Urban Areas"**, ITE Journal, Institute of Transportation Engineers, Oct.1986, pp. 37-42 - with Mannering, F.L.

#### SELECTED PROFESSIONAL MEETINGS PAPERS AND REPORTS:

- **"National Traffic Safety Programs in the Arab Countries"**, Presented at the International Seminar on Traffic Safety in the Transport Sector, Union of Arab Engineers and Tunis Engineers Association, Qiarawan, Feb. 2018 - with Al-Sahili, K., and Hassouneh, F.
- **"National Traffic Safety Profile: Palestine 1970-2015"**, Presented at the 8th Traffic Safety Conference - Jordan 2017, Jordan Traffic Institute, Amman, Dec. 2017 - with Al-Sahili, K., Sarraj, Y., Alhajyaseen, W., and Hamadneh, J.
- **"Evaluation of Transport Policies on Public Transport in Palestine"**, Presented at the 8th Traffic Safety Conference - Jordan 2017, Jordan Traffic Institute, Amman, Dec. 2017 - with Issa, A.
- **"Estimation of New Development Trip Impacts through Trip Generation Rates for Major Land Uses in Palestine"**, Presented at the Seventh Jordanian International Civil Engineering Conference, Engineers Association, Amman, May 2017 - with Al-Sahili, K. and Kobari, F.
- **"Development of Pavement Performance Model for Proper Rehabilitation and Maintenance using First Order Markov Chain for Palestine: Nablus City as a Pilot Case"**, Presented at the Seventh Jordanian International Civil Engineering Conference, Engineers Association, Amman, May 2017 - with Issa, A.

- **"Towards a Clean and Sustainable Transport Sector in Palestine"**, Presented at the 2nd Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities, An-Najah National University, Nablus, Palestine – April 2017 - with Dwaikat, A.
- **"Neighborhoods Strategic Planning: Directions for Future Development"**, the 2nd Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities, An-Najah National University, Nablus, Palestine – April 2017 - with Fares, S.
- **"Transportation Mode Choice Model for Palestinian Universities Students: A Case Study on An-Najah New Campus"**, Presented at the 2nd Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities, An-Najah National University, Nablus, Palestine – April 2017 - with Abdulhaq, D.
- **"Transferability of Trip Generation Models for Palestinian Cities: Jericho and Salfit"**, Presented at the 2nd Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities, An-Najah National University, Nablus, Palestine – April 2017 - with Amer, A.
- **"Strategic Planning for Sustainable Palestinian Neighborhoods"**, Presented at the 2nd Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities, An-Najah National University, Nablus, Palestine – April 2017 - with Salameh, D., and Haj Hussein, M.
- **"Assessment of Multimedia Based Blended Learning Engineering Courseware at An-Najah National University"**, Presented at the 2nd Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities, An-Najah National University, Nablus, Palestine – April 2017 - with Johari, W.
- **"Sustainable Health Services Planning and Development in Palestine using GIS"**, Keynote Speech, The 11th GIS Symposium in Saudi Arabia, University of Dammam, Dammam, Saudi Arabia, April 2017.
- **"Development of a Framework for General Education Reform as a Preface to Enhance Quality in Engineering Education"**, Presented at The Effect of Pre-University General Education Output on Quality of Engineering Education", Federation of Arab Engineers, Cairo, Egypt, November 121-22, 2016, - with Affouneh, S. - in Arabic.
- **"Effectiveness of Consistency Measures in Crash Prediction Models for Two-Lane Highways in Palestine"**, Presented at World Conference on Transport Research - WCTR 2016, July 2016, with Al-Sahili, K., Dwikat, M., and Alhajyaseen, W.
- **"Adopting Smart Campus Concept as a Model of Smart City within the Framework of An-Najah National University New Strategic Plan"**, The Economics of Smart Cities Conference, An-Najah National University, April 2016.
- **"Designing and Implementing Transportation Engineering Course using the Means of E-Learning and Multimedia"**, The 4th Conference on New Trends in Education at An-Najah National University: The Art of the Possible, Center for Excellence in Learning and Teaching, August 2015 - with Al-Sahili, K.
- **"Development and Assessment of Multimedia-Based Blended Learning Engineering Courseware at An-Najah National University"**, Seventh International Forum on Engineering Education (IFEE 2015), Sharjah, United Arab Emirates, March 2015 - with Johari, W.

- **"The West Bank – Gaza Strip Corridor"**, American Society of Civil Engineers Student Chapter, An-Najah National University, Sept. 2014 - with Al-Sahili, K.
- **"The Strategic Development Plan for Nablus City: An Opportunity for a Promising Future"**, The Second Conference on the Manifestations of the Movement of History in the City of Nablus", An-Najah National University, April 2014.
- **"Towards a National Strategy for Electronic Learning and Teaching in Higher Education in Palestine"**, International Conference in Learning and Teaching in the Digital World ", An-Najah National University, March 2014.
- **"The Implementation of Multimedia Modules to Support Higher Education Classroom Environment"**, The Dubai International Conference in Higher Education: Succeeding in the Pursuit of Quality, Michigan State University, Dubai, Jan. 2013 - with Ghanim, M.
- **"Palestinian's Future in Intelligent Mobility Assessment and Future Prospects"**, iMobility Day, Al-Quds Open University, Ramallah, Palestine, Nov. 2012 - with A-Sahili, K. and others.
- **"Managing Transportation for Sustainable Built Environment By Developing A Traffic Systems Management Course"**, Sixth International Forum on Engineering Education (IFEE 2012), Kuala Lumpur, Nov. 2012 - with Ghanim, M.
- **"Planning Challenges and Needs in the Urban Road and Transportation Sector"**, The Palestinian Urban Forum I, An-Najah National University, March 2012.
- **"The Future Urban Development Strategies and Coordination among the Different Actors"**, The Palestinian Urban Forum I, An-Najah National University, March 2012.
- **"Development and Evaluation of Transportation Engineering Multimedia Courseware"**, Transportation Engineering Education Conference, Sponsored and organized by Institute of Transportation Engineers and other institutes, Portland, Oregon, U.S.A, June 2009, with Abaza, O. and Awartani , N.
- **"City Development Strategies and Transportation Planning"**, The Conference on City Development, Marcus Events, Dubai, United Arab Emirates, March 2008.
- **"The Framework for the Development of a Medium-Term Transportation Program for an Economy of Transition: The Palestinian Case"**, presented in the Conference on Development and Reconstruction in Palestine, An-Najah National University, March 2006.
- **"Priorities and Needs for the Palestinian Infrastructure"**, presented in the Arab-**International** Forum on Rehabilitation and Development in the Occupied Palestinian Territory: Towards an Independent State, Beirut, October 2004.
- **"Accident Analysis for Economies in Transition Using Spatial Analytical Tools: The Palestinian Territories Case"**, presented in the 10th World Conference on Transport Research, Istanbul, Turkey, July 2004, with Kobari, F.
- **"The Impact of the Segregation Wall on the Sustainability of Transport Systems and Services in the Palestine"**, presented in the Jordan International Conference for the Development of Transport Systems, Jordan Engineers Association, Amman, Jordan, April 13-15, 2004 - in Arabic.
- **"The Palestinian Researcher and the Surrounding Environment"**, presented in the Arab Researcher and His Productivity, and the Surrounding Environment under Globalization

Conditions, Union of Arab Research Councils, Cairo, Egypt, December 2003, with Shaheen, H. - in Arabic.

- **"Engineering Curricula Development and Meeting the Needs of Industry: A Case Study from Palestine"**, presented in the Third Forum on Engineering Education, University of Sharjah, United Arab Emirates, October 2003.
- **"The Appropriateness of Engineering Education Programs in Palestine to the Needs of the Public and Private Sectors"**, prepared for presentation in the Conference on the Status of Engineering Education in the Arab World, Federation of Arab Engineers, Abu-Dhabi, United Arab Emirates, September 2003.
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