

CURRICULUM VITAE

Faisal Awadallah

PERSONAL INFORMATION

Home Address: P.O. Box 38165
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Work Address: Department of Civil Engineering
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Birzeit University
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Date of Birth: September 24, 1955

Place of Birth: New York, USA

Marital Status: Married, Three children (grown-ups and moved from home)

Education

1985 – 1987 University of Maryland, College Park, Maryland, USA.
Ph.D. in Civil Engineering (Transportation), 1987
Dissertation: Durability of Retro-reflective Signs

1980 - 1982 University of Maryland, College Park, Maryland, USA.
M.S. in Civil Engineering (Transportation), 1982

1974 - 1978 University of Maryland, College Park, Maryland, USA.
B.S. in Civil Engineering, 1978

PROFESSIONAL EXPERIENCE

Professor (2016 - present), Associate Professor (2001-2016)

Vice President for Academic Affairs (2017-2018)

Visiting Professor, North Carolina A&T State University, Greensboro, USA (2011-2012)

Dean of the Faculty of Engineering (2004 -2010)

**Department of Civil Engineering, Birzeit University
Birzeit, West Bank, Palestine.**

Taught the following courses:

- Transportation Planning, UPLA 6342 (graduate course in the Master program in Urban Planning and Landscape Architecture)
- Transportation Engineering, ENCE 431
- Highway Engineering, ENCE 438
- Traffic Engineering, ENCE 5350
- Urban Public Transportation, ENCE 5353
- Seminar in Civil Engineering, ENCE 411
- Graduation projects ENCE 520 & ENCE 530. The projects included:
 - Planning and design of Jerusalem Airport
 - Planning and design of tram system in Ramallah
 - Planning and design of a pedestrian underpass and mall under Ramallah central square, Manarah
 - Geometric and pavement design of segments of the ring road around Ramallah and Al-Bireh
- Master Thesis UPLA 860 (Traffic Engineering field)

Coordinated or/and supervised the following projects:

- Oversaw numerous research projects as Vice President for Academic Affairs and Dean of the Faculty of Engineering
- Virtual Reality Project: The Faculty of Engineering won this project with a budget of US\$347,000. The project funded by the World Bank and the European Commission via the Quality Improvement Fund (QIF) and organized through the Palestinian Ministry of Education and Higher Education. The main component of the project is the installation of a virtual reality theatre for educational purposes at the Faculty of Engineering, 2007–2010.
- Landscape Capacity Building Project in cooperation with the University of Life Sciences, Norway. Funded by NUFU for about US\$700,000. The project supported the initiation of the landscape architecture concentration within the Urban Planning and Landscape Architecture master program. The funding was mainly for capacity building and related research and studies, 2004-2009.

- Land Administration and Management: The Faculty of Engineering was selected to develop a master program in land administration and management with funding from the World Bank and in cooperation with Palestinian Ministry of Planning. The 1st phase of the project ended on March 2009. The Birzeit University education component of the project for the 1st phase is about US\$50,000, June 2007 – March 2009.
- Spatial Planning education and research cooperation with the University of Dortmund, Germany. Funded by DAAD for about €50,000 over four years ending, 2007-2011.
- Intercultural Heritage Project in cooperation with the University of Dortmund and several Jordanian Universities. Funded by DAAD for about €73,000 per year, 2007-2010.
- Cooperation for research, graduation projects, student training and various technical cooperation between the Faculty of Engineering and Jerusalem District Electric Company for about US\$15,000, 2007-2010.
- Cooperation for research, graduation projects, student training with Nasser Investments (Jerusalem Stones) for about US\$18,000, 2007 – 2010.
- Student exchange and short study visits agreements with the University of Roma (La Sapienza), Italy, the University of Ghent, Belgium, and La Cambra University, Belgium, 2005-2010.

Organized academic and professional conferences and workshops, and membership of the organizing committees of professional conferences:

- Oversaw numerous conferences and workshops as Vice President of the Academic Affairs.
- An International Program Committee member of the First International Conference on Vulnerability and Risk Analysis and Management. The American Society of Civil Engineers (ASCE), the University of Maryland and others sponsored the conference. College Park, MD, April 11-13, 2011.
- Member of the Advisory Board for the Food and Agriculture Organization of the United Nation (FAO) secretariat on Voluntary Guidelines on Responsible Governance of Tenure of Land and other Natural Resources, 2009 -
- Supervisor of the Near East Regional Meeting on Voluntary Guidelines on Responsible Governance of Tenure of Land and other Natural Resources. The Food and Agriculture Organization (FAO) of the United Nation sponsored and funded the meeting. The meeting was coordinated with University of Jordan. It attracted participants from 15 countries, and it was held in Amman, Jordan, 2-4 May 2010.
- Coordinator for Birzeit University for organizing of the Symposium on Challenges of High-Rise Buildings in Palestine at Birzeit University in a joint partnership between the Faculty of Engineering at Birzeit University, the Jordanian Engineering Association, and the

Palestinian Concrete Association. January 26, 2010.

- Coordinator for Birzeit University partnership of the “Urban Planning through Inter-cultural Dialogue” workshop, which was held in Amman on October 31 and November 1, 2009 in cooperation with the Technical University of Dortmund, Germany, and the German Jordanian University. The keynote speaker was the German Ambassador to Jordan.
- Coordinator for Birzeit University partnership of the Third Riwaq Biennale in Palestine with Riwaq Centre for Architectural Conservation, October 12-16, 2009. The Keynote speaker was the Palestinian Prime Minister Salam Fayyad.
- Member of the Steering Committee of the Civil Engineering Symposium – Applied and Advanced Concrete Technology in Palestine, May 6, 2008.
- Chairperson of the International Conference on Conservation and Management of Landscape in Conflict Regions, which was jointly sponsored by Birzeit University and the University of Life Sciences in Norway. Professionals and academicians attended the symposium from 15 countries. November 29 – December 1, 2007, Birzeit University, Palestine.
- Coordinator for Birzeit University partnership of the Second Riwaq Biennale in Palestine with Riwaq Centre for Architectural Conservation, October 22-24, 2007.
- Co-Chairperson of the second Engineering Working Conference in Palestine, September 19-22, 2005. The Faculty of Engineering at Birzeit University and the Jordanian Engineering Association (Jerusalem Center) organized the conference. The keynote speaker was the Palestinian Prime Minister Ahmad Qraa’ (Abu Ala’).

Worked on the Following Consultancies (2001 – Present):

- Consultant for Al-Quds Bank, conducted a traffic impact analysis for the bank new headquarter location in Ramallah, January – February, 2017
- Consultant as a Public Transport Expert for Systematica, Milano, Italy for the Road and Transportation Master Plan for the West Bank and Gaza Project, June 2015 – August 2016
- Consultant as a Freight Transportation Expert for Arabtech-Jardaneh – Palestine for the Spatial Development Framework Plan, Traffic and Transportation Plan for Ramallah, Al-Bireh, and Beituniya Municipal Area Project, November 2015 – August 2016
- Consultant for Arabtech-Jardaneh, Palestine for the Strategic Development, Investment, and Physical Plans for the North West Bank Al-Mshareeq Joint Service council, August 2015-March 2016
- Consultant for the Spatial Forecasting of Regional Connectivity in the Independent State of Palestine Project for the benefit of National Spatial Plan Project, Palestinian National

Authority, Ramallah, Palestine, funded by UN-HABITAT, August 2014 – January 2015

- Consultant for Birzeit University Continuing Education Center on the Urban Development Study for the benefit of the National Spatial Plan Project, Palestinian National Authority, funded by the Belgium Government, May 2014 – January 2015
- Evaluator for various civil engineering programs for Accreditation and Quality Assurance Commission (AQAC), Ministry of Education and Higher Education (MOEHE), Ramallah, Palestine, 2007-2014
- Evaluator of research proposals for funding by Welfare Association and Palestine Bank for the Zamaleh University research and scholarly visits program for Palestinian Universities, 2014
- Consultant for the Palestinian Ministry of Transportation for major revisions and production of the Palestinian Traffic Safety Manual and training of trainers funded by the German House for Development Cooperation (GIZ), October 2012 – July 2013.
- Consultant for the Palestinian Component of the MEDA MOS II project, the consultancy included guidelines for management and development of Gaza deep seaport, recommendations for Palestinian maritime institutional building and guidelines for efficient improvements of cross border traffic, as well as bonded areas. The European Union funded the project and the contract was through PLANET, Athens, Greece. November 2012 – March 2013.
- Consultant for Ramallah Municipality on various road and traffic projects, including traffic impact analysis for a high-rise buildings, intersections' redesign (roundabouts and signalized intersections), review of road geometric design, street and guide signs evaluation, and review of petroleum stations building permits, particularly their effects on road safety and level-of-service, summer 2006 – 2012.
- Consultant for Ramallah and Al-Bireh Governorate (traffic committee) for the redesign of a main access road (Birzeit –Ramallah) and review of intersections' redesign along such access road, spring 2011.
- Chair of the subcommittee on Geometric Design for the development of the national standards on highways and street design; the Palestinian Ministry of Public Works and Housing, fall 2009 – 2011.
- Consultant for the World Bank for a study on public transit tariff formulation and monitoring of performance criteria for the public transit system in the West Bank, the project is for the benefit of the Palestinian Ministry of Transport, February 2010 – June 2010.
- Consultant for the Union of Mediterranean Universities (UNIMED) for a study titled “State of the Transport System in the Euro-Mediterranean Region – Case Study: Palestine,” fall 2008 – fall 2009

- Consultant for Bayti Real Estate Investment Company, a subsidiary of Massar International, Ramallah, Palestine on the areas of roads and transportation for the Rawabi city project. Rawabi is a new planned city north of Ramallah for a population of 30000 inhabitants, summer 2008- fall 2009
- Juror for the Ramallah Municipality Parking Garage. The competition for a multistory parking garage in the Ramallah's Central Business District consisted of 13 proposals. The first prize was about US\$ 10000, summer 2008.
- External Reviewer for the review mission for the Civil Engineering Bachelor's programs for the following two universities:
 - Jordan University of Science and Technology
 - University of Hilwan, Mataria, Egypt
 The review missions were part of the Enhancement of Quality Assurance and Institutional Planning at Arab Universities Project, sponsored by the UNDP. Three training workshops were conducted by the same project in Tunisia and Sharm El-Shiek, Egypt in order to qualify as an external reviewer, 2007-2008
- Consultant for the United Nations Office for Project Services, Jerusalem for a traffic analysis and geometric design review for a typical border crossing between the Palestinian Territories and Israel, winter 2007/2008.
- Consultant for the Palestinian Ministry of Planning for the Infrastructure component of the Palestinian Development and Reform Plan (PDRP) 2008-2010, Funded by the Department for International Development (DFID), UK, fall 2007.
- Juror for project selection of a redesign of the main access road in Sabaudia, Italy. The competition was part of the International Summer School on Urban Design conducted by the University of Roma "La Sapienza, summer 2006.
- Consultant for Dornier Consulting, a member of the Daimler-Chrysler Group on Ar-Riyadh Comprehensive Traffic Management Project, Riyadh, Saudi Arabia, 2004 – 2006.
- Expert Witness: Prepared an expert witness report and orally presented specific alignment considerations in a court setting for the new high-speed train between Jerusalem and Tel-Aviv in the Yalo-Latron segment in the West Bank on behalf of the Jerusalem Legal Aid & Human Rights Center, Jerusalem, spring 2005.
- Consultant for Hill International on an assignment in Kuwait on the transportation planning for the proposed resort island of Failaka, Kuwait, spring-summer 2004.
- Consultant for Hill International on an assignment in Athens, Greece, where I worked on a proposal for the urban public transit system for Athens, spring 2004.
- Consultant for Birzeit University Administration for the preparation of the Master Plan for the Birzeit University Campus, 2002-2003

- Expert Witness: Prepared an expert witness report and orally presented specific alignment considerations for two local roads in Ramallah district, Palestine in a court setting for the Jerusalem Legal Aid & Human Rights Center, Jerusalem, 2001

**August 2011 -
June 2012** **Civil, Architecture and Environmental Engineering
Department, North Carolina A&T State University,
Greensboro, NC, USA**

Visiting Professor

Taught two courses in the fall semester, namely: Sustainable Urban Planning (CIEN 786, graduate course) and Construction Materials (CAAE 330), and two courses in the spring semester, namely: Transportation Design (CIEN 550) and Applications of Statistics, Reliability, and Decision Theory in Civil Engineering (CAAE 404). Furthermore, I participated in various researches in the areas of transportation sustainability and engineering education.

**September 1987 -
August 2001** **Department of Civil Engineering, Birzeit University
Birzeit, West Bank, Palestine.**

**Assistant Professor, Chairman of the Department of Civil Engineering (1995 – 1997)
Visiting Professor, Pennsylvania State University, University Park, USA (1997-1998)**

Taught the following civil engineering courses:

- Transportation engineering
- Highway engineering
- Traffic engineering
- Engineering statistics
- Surveying
- Statics
- Graduation projects. The projects included:
 - Planning and preliminary design for the seaport of Gaza
 - Planning and design of Gaza airport
 - Planning and design of an inter-city bus terminal in the city of Ramallah
 - Transportation System Management for the city of Ramallah

Held several academic positions, among them:

- Elected member of the University Academic Council, 1991-1993
- Elected the president of the Union of Faculty and Employees for two successive terms, 1991-1994.
- Chairperson of the organizing committee for the Palestinian Academic Conference, October 1992.

Worked on the Following Consultancies (1994 - 2000):

- Organized and supervised a traffic volume counts study for about 50 stations in the West Bank and Gaza as a consultant for Dornier SystemConsult, a member of the Daimler-Chrysler Group. Funded by the World Bank for the benefit of the Palestinian Economic Council (PECDAR), summer - fall 2000.
- Prepared a Traffic Circulation Study for Al-Bireh Central Parking Station, a multi-story parking garage for shared taxis. The lower floor is a bus terminal. The study was prepared for the Palestine Real Estate Investment Company, spring 2000.
- Participated in a study for the establishment of a Palestinian Central Road Administration as a consultant for Dornier SystemConsult, a member of the Daimler-Chrysler Group. Funded by the World Bank for the benefit of the Palestinian Economic Council for Development and Reconstruction (PECDAR), summer 1999 – summer 2000.
- Evaluation of the Transport Projects in the Palestinian Areas that were funded by the Netherlands Government. This consultancy was for the Policy Research Corporation N.V Antwerp, Belgium, spring 1999.
- Evaluation of Maintenance Requirements for the Rural Roads Project in the Districts of Hebron and Bethlehem for Ad-Diyar Consultants, Ramallah, Palestine. The project was performed with cooperation with Professor Issam Sharaf, Cairo University, spring – summer 1997.
- The Institutional Building of the Palestinian Physical Planning Capacity (Transportation Sector) Project for the Palestinian Ministry of Planning in coordination with Aspan Viak/ Norway, 1995.
- Action Item Plan for Inter-Urban Public Transport Services in West Bank and Gaza Project for Daimler-Benz Aerospace/Germany, 1994.

**August 1997-
August 1998**

**Department of Civil Engineering, The Pennsylvania State
University, University Park, PA, USA**

Visiting Professor: Taught the transportation systems and highway engineering courses, in addition to the highway-engineering honor course. Consultant for transportation projects for private engineering firms, notably the evaluation of Wide-Area Detection Systems for Urban Engineers, Philadelphia, PA.

**June 1986 -
August 1987**

**Office of Safety and Traffic Operations, Research and
Development, Federal Highway Administration,
McLean, Virginia, USA**

Research Fellow: Earned a competitive fellowship to study the durability of retroreflective signs. Developed a computerized model to predict the service life of symbol warning signs by

using Specific Intensity per unit Area (SIA) as a surrogate measure for nighttime recognition distance.

August 1985 - May 1986 - **Department of Civil Engineering, University of Maryland
College Park, Maryland, USA**

Teaching Assistant: Assisted and substituted for transportation lectures, and participated in several on-going projects, including origin-destination surveys, spot speed studies, and intersections' turning movement counts, data analysis, and intersection redesign.

October 1982 - July 1985 - **Department of Civil Engineering,
Birzeit University, Birzeit, West Bank, Palestine.**

Instructor: Taught several civil engineering courses, including transportation engineering, highway engineering, traffic engineering, surveying, engineering geology, and statics. Elected member of the Faculty of Engineering Council, 1983-1984, and worked with the University Engineering Consulting Office on two projects:

- The geometric design of a four-kilometer, four-lane circumference road around the University.
- Town planning for the cities of Jericho and Quabatia in the West Bank. The planning included design of streets and intersections.

October 1980 - March 1982 - **Counsel-Trans, Inc. Rockville, Maryland, USA**

Transportation Engineer: Worked on the following projects:

- The passenger car equivalent study: analysis of the construction, maintenance, and operation cost of highways, and the estimation of the trucks share of the cost based on their use and requirements.
- Traffic impact analysis for several proposed developments, the analysis included trip generation, distribution, modal split, and assignment predictions of traffic, and the impact of the traffic associated with the development on the existing transportation facilities.
- The transportation needs of woman study, which included the review of transit systems in Washington, D.C Atlanta, and Chicago.
- Evaluation of flexible and rigid highway pavements via photo-logging techniques.

January 1979 - August 1980 - **Morrison-Knudsen Saudi Arabia Consortium,
Boise, Idaho, USA**

Civil Engineer: Worked in Saudi Arabia on the construction of King Khalid Military City.

Worked in two departments:

- Cost Engineering Department (March 1980 - August 1980): Worked on the cost coding of engineering materials, auditing of cost accounts and analysis of cost and schedule variances.
- Quality Control Department (January 1979 - February 1980): Worked on laboratory and field-testing of soil, concrete, and asphalt. Supervised concrete and asphalt mix designs.

**June 1978-
September 1978**

Rummel, Klepper, and Kahl, Baltimore, MD, USA

Inspector: Inspection of the construction of a sewer line in Baltimore County, Maryland.

SELECTED PUBLICATIONS (LAST 20 YEARS)

1. Fini, Elham; Awadallah, Faisal; Parast, Mahour; Abu-Lebdeh, Taher. “The impact of project-based learning on improving student learning outcomes of sustainability concepts in transportation engineering courses.” *European Journal of Engineering Education*. Pages 1-16 Published online: 28 Oct 2017 (<http://dx.doi.org/10.1080/03043797.2017.1393045>)
2. Fini, Ellie H., Buabeng, Felix, Abu-Lebdeh, Taher and Awadallah, Faisal. “Effect of introduction of furfural on asphalt binder ageing characteristics,” *Journal of Road Materials and Pavement Design*. DOI: 10.1080/14680629.2015.1108219. <http://dx.doi.org/10.1080/14680629.2015.1108219>, online since November 2015.
3. Fini, Elham, Awadallah, Faisal, Mellat-Parast, Mahour, Abu-Lebdeh, Taher. “Implementation of Sustainability Concepts into Undergraduate Transportation Engineering Courses.” Transportation Research Board 94th Annual Meeting Compendium of Papers DVD, January 11-15, 2015
4. Awadallah, F. “Transport and Urban Planning Concepts to Address Sustainability and Environmental Concerns” *Sustainability, Eco-efficiency, and Conservation in Transportation Infrastructure Asset Management*, Edited by Massimo Losa and Tom Papagiannakis. Taylor and Francis Group, London ISBN: 978-1-138-00147-3, DOI: 10.1201/b16730-113, CRC Press 2014, 777–784
5. Awadallah, F. and Fini, E. “Transportation Global Environmental Impact,” *Institute of Transportation Engineering (ITE) Journal*, Vol. 83, No. 9, September 2013, pp. 43-46.
6. Awadallah, F. “Yellow and All-Red Intervals: How to Improve Safety and Reduce Delay?” *International Journal for Traffic and Transport Engineering (IJTTE) Journal*, Vol. 3, No. 2, June 2013, pp. 159-172.
7. Awadallah, F. Prepared the final draft for “The Manual on Traffic Safety on Palestinian Roads (in Arabic),” Ministry of Transportation, State of Palestine, February 2013 (The manual was 1st prepared by Drs. Sameer Abu Eiesha and Khaled Al-Sahli, but it was

comprehensively reviewed, shorten, and numerous new topics were added)

8. Awadallah, F., Fini, E., and Mellat-Parast, M. "Highway and Transportation Implications on Environmental Sustainability: Urban Planning, Construction, and Operation Counter Measures," Proceedings of the 2012 International Conference on Sustainable Design, Engineering, and Construction, held in Fort Worth, Texas, November 7-9, 2012, pp. 343-349. <http://dx.doi.org/10.1061/9780784412688.041>
9. Awadallah, F. "Urban Planning for Green Environmental Friendly Road and Transportation Systems," Proceedings of the 2nd International Conference on Green & Sustainable Technology, Greensboro, NC, USA, November 7-8, 2011.
10. Awadallah, F. (among 16 other authors), *Embracing the Past, Enhancing the Future: Planning Spaces through Intercultural Dialogue*. Edited by Christa Reicher, Katrin Baumer, Maram Tawil, Dana Jacob, and Labna Shaheen. Klartext Verlagsgesellschaft mbH (plain language publishing house), Essen, Germany, 2011
11. Awadallah, F. "Options for Achieving Internal Economic Connectivity and Effective International Trade for a Viable Palestinian State," proceeding of the annual conference of the Palestinian Economic Policy Research (MAS) titled: Palestinian Economy Unity – A Key for Ending the Occupation and for Sustainable Development, January 23rd and 24th, Ramallah, Palestine, 2011 (<http://www.mas.ps/files/server/20141911094221-1.pdf>)
12. Awadallah, F. "Theoretical Analysis for Variable Yellow and All-Red Intervals." Transportation Research Board 90th Annual Meeting Compendium of Papers DVD, January 23-27, 2011
13. Awadallah, F. and Atrash, A. *The Fabrication of Israel*, Edited by Waltz, Viktoria and Isaac, Jad and published online (<http://www.palaestina-portal.eu/Waltz/finalonefile.pdf>), the authors' contribution is section (4) of Chapter (IV) titled Transportation and mobility in the Palestinian West Bank and Gaza Strip, 2010, pp. 162-173.
14. Dajani, I., Awadallah, F., and Finn, B. "Public Transport Performance and Tariff Setting – Final Report submitted to the Palestinian Ministry of Transport. The World Bank sponsored the study. World Bank Report No. 54790-GZ, June 2010.
15. Awadallah, F., "Intersection Sight Distance Analysis and Guidelines." *Transport Policy (Elsevier)*, Volume 16, Issue 4. August 2009, pp. 143-150 (DOI:10.1016/j.tranpol.2009.04.001).
16. Awadallah, F. "A Legal Approach to Reduce Red-Light Running Crashes." *Transportation Research Record: Journal of the Transportation Research Board No. 2094*, Transportation Research Board of the National Academies, Washington, DC, USA, August 2009. pp. 102-107 (DOI: 10.3141/2096-14).
17. Awadallah, F., "From the Geographic Continuation to the Transportation Continuation of the Palestinian State: The Palestinian Transport Sector, the Past, the Present, and the Aspirations." *Seyasat* (Seyasat is a local Palestinian periodical; Seyasat is the Arabic word

- for Policies), winter, 2009, pp. 105-126 (in Arabic).
18. Awadallah, F. "Differential Speed Limit Analysis and Regulations on Rural Expressways." *Road & Transport Research Journal*, Vol. 16, No. 4, December 2007, pp. 16-25.
 19. Saleh, A., Awadallah, F., Ghadban, S., and Allaert, G. "Potential Lands for Urban Development and the Challenge of Population Growth" The International conference on Conservation and Management in Conflict Regions, Birzeit University, Palestine, November 29 – December 1, 2007, pp. 78-89.
 20. Awadallah, F., "Theoretical Analysis for Design of Horizontal Curves Based on Actual Discomfort Speed." *ASCE Journal of Transportation Engineering*. Vol. 131, No. 11, November 2005, pp. 843-850.
 21. Awadallah, F. "Roads for Integration and Roads for Separation Case Study: Palestinian West Bank and Gaza" Technical Papers for the Association of European Schools of Planning (AESOP) Conference, Vienna, Austria, July 2005
 22. Awadallah, F., "Planning of Palestinian Cities: De facto Status quo and a Blocked Horizon." *The Palestinian Engineer Journal- The Engineering Association Journal (Al-Muhadis Al-Falistini)*, Issue No. 49, January 2005, pp. 38-39 (in Arabic).
 23. Awadallah, F., "Engineering and Management Strategies to Influence Driving Safety Attitudes," Proceedings of the Second Safety on Road International Conference, University of Bahrain, Bahrain, October 2002.
 24. Awadallah, F., "Incident Detection: Selection of Appropriate Technologies and Methodologies," *Road & Transport Research Journal*, Vol. 11, No. 2, June 2002, pp. 50-56.
 25. Awadallah, F., "The Public Transport Challenge in the West Bank (Palestine)." *Public Transport International*, No. 3/ 2001 (The paper was published in three different versions of the journal, namely in English, French, and German; in addition a short summary of the paper was published in Italian, Spanish, Russian, and Japanese). May 2001, pp. 46-51.
 26. Awadallah, F., "The Transportation Planning Process For Minimum Available Related Data: Case Study- The Palestinian Self-Rule Areas," *Transport Reviews*, Vol. 21, No. 1, January – March 2001, pp. 75-87.
 27. Habesch, N; Awadallah, F; and Jehanian, N. "Evaluation of Wide-Area Detection Systems for Freeway Applications," Proceedings of the 6th World Congress on Intelligent Transport Systems, Toronto, Canada, November 1999.
 28. Awadallah, F., and Habesch, N. "Evaluation of Video Image Processing for Traffic Management Systems," *Transportation Quarterly*, Vol. 52, No. 3, summer 1998, pp. 79-90.
 29. Habesch, N., Jehanian, K., and Awadallah, F. "Evaluation Of Wide-Area Detection Systems," Proceedings of the Rural Advance Technology and Transportation Systems, 1998

International Conference, Penn State University, University Park, PA, USA. August 1998.

30. Awadallah, F. "A Theoretical Approach for Minimizing Expressway Peak Period Delays at Urban Locations," Editors: Recio, J. M., and Sucharov, L. J., *Urban Transport and the Environment II*, Computational Mechanics Publications, Southampton, UK, 1996.
31. Awadallah, F. "The Infrastructure vis-à-vis Low Cost Housing: Case Study - The Palestinian Self-Rule Territories," Proceedings of the International Conference on Affordable Housing in Palestine. Birzeit, Palestine, November 1996.
32. Awadallah, F. "The Civil Engineering Curriculum: Comprehensiveness versus Concentration". Proceedings of the Conference on Modernization of the Engineering Sciences, Aleppo, Syria, November 1996 (in Arabic).

SELECTED PRESENTATIONS (LAST 20 YEARS):

1. Present a paper titled "The Daisy Flower: An Urban Planning Concept to Address Sustainability and Environmental Concerns" at the African Centre for Cities International Urban Conference: Panel 23 (Urban sustainability: reimagining design and planning). February 1 to 3, 2018, at the University of Cape Town. Cape Town, South Africa.
2. Presented a paper titled "Spatial Forecasting of Regional Connectivity in the independent State of Palestine" in a workshop at the Palestinian Ministry of Planning, Ramallah, Palestine, November 9, 2014. Also present this paper at the First Trade Facilitation Conference, which was organized by the Palestinian Shippers' Council in Ramallah, Palestine, December 1 & 2, 2014 (The project was funded by UN-HABITAT)
3. Presented a paper titled "Transport and Urban Planning Concepts to Address Sustainability and Environmental Concerns" in the 3rd International Conference on Transportation Infrastructure, Pisa, Italy, April 22-25, 2014
4. Conducted a two day workshop on "The Manual on Traffic Safety on Palestinian Roads (in Arabic)," Ministry of Transportation, State of Palestine, July 2013.
5. Presented a paper titled "Public Transport in Palestine, Current Conditions and Challenges" in the EuroMed Regional Transport Symposium, Ramallah, February 13-14, 2013.
6. Presented a paper titled "Urban Planning for Green Environmental Friendly Road and Transportation Systems," in the 2nd International Conference on Green & Sustainable Technology. Greensboro, NC, USA, November 7-8, 2011.
7. Participated in the 90th annual meeting of the Transportation Research Board, in a poster session with a paper titled "Theoretical Analysis for Variable Yellow and All-Red Intervals," Washington D.C USA, January, 2011
8. Participated in the Symposium on Challenges of High-Rise Buildings in Palestine, at Birzeit University with a presentation on Traffic Impact Analysis for High-Rise Buildings, January 26, 2010.

9. Presented an overview of the project “Spatial Planning through Intercultural Dialogue” with Dana Jacobs, Technical University of Dortmund – Germany at the AESOP (Association of European Schools of Planning) 23rd Congress in Liverpool, UK, July 2009
10. Participated in the 88th annual meeting of the Transportation Research Board, in a poster session with a paper titled “A Legal Approach to Reduce Red-Light Running Crashes,” Washington D.C USA, January, 2009
11. Presented a lecture on the topic of “Mobility Options for a Viable Palestinian State” by invitation of the University of Ghent, Belgium at the Strengths and Weakness of Cross border Development Gaza-West Bank Symposium, Ghent, Belgium, March, 2007
12. Presented a lecture on the topic of “Green Structure/ Landscape for Streets and Highways” within a workshop organized at the Faculty of Engineering/Birzeit University for municipalities’ engineers in West Bank cities as part of the Landscape Planning Project in cooperation with the University of Life Sciences/Norway, August 2006.
13. Presented a lecture on the topic of “Theoretical Evaluation of Yellow and All-Red Traffic Signal Timing” by invitation of the Illinois Center for Transportation, University of Illinois at Urbana-Champaign, USA. July 2006.
14. Presented a lecture on the topic of “Theoretical Analysis for Horizontal Curves Based on Actual Discomfort Speed” by invitation of the Department of Civil Engineering at the University of Waterloo, Waterloo, Ontario, Canada. July 2006.
15. Presented a paper titled “Roads for Integration and Roads for Separation Case Study: Palestinian West Bank and Gaza” in the Association of European Schools of Planning (AESOP) Conference, Vienna, Austria, July 2005
16. Participated through a presentation in the Regional Workshop on Public Transportation in the Middle East and North Africa sponsored by the International Association of Public Transport (Headquarter: Brussels) and Dubai Municipality. The workshop was held in Dubai, January 2003.
17. Presented a paper titled “Engineering and Management Strategies to Influence Driving Safety Attitudes” in the Second Safety on Road International Conference, University of Bahrain, Bahrain, October 2002.
18. Presented a lecture on the topic of “Intelligent Transportation Systems – The Challenge,” by invitation of the Department of Civil Engineering at the University of Delaware, Newark, Delaware, USA. May 9, 1998.
19. Presented a paper titled “A Theoretical Approach for Minimizing Expressway Peak Period Delays at Urban Locations” at the Urban Transport and the Environment II conference in Barcelona, Spain. October 1996.

SUPERVISION AND MEMBERSHIP OF THESIS DEFENSE COMMITTEES

Type of Participation	Title of Thesis	University	Type of Thesis, year	Student Name
Supervisor, head of thesis defense examination committee	Planning Regulation and Management of On-Street Parking Systems: Case Study Ramallah	Birzeit University	Master, 2016	Shrouq Abu Hamdeh
Member of thesis defense examination committee	Land Resources Management in Rural Areas and Towns within a Sustainable Framework: A Case Study of Hulhul	Birzeit University, Palestine	Master, 2011	Mais Rabah
Co-supervisor and member of thesis defense examination committee	Assessment of Future Urban Structure and Infrastructural Networking for a Palestinian State	Gent University, Belgium	PhD, 2009	Ahmad Saleh
Supervisor, head of thesis defense examination committee	New Palestinian Towns as One of Urban Development Models	Birzeit University, Palestine	Master, 2009	Hussein Othman
Member of thesis defense examination committee	Planning for a Sustainable Spatial Development: The Role of the Local Level in the Palestinian Context	Birzeit University, Palestine	Master, 2008	Waffa' Awadallah
Member of thesis defense examination committee	Planning and Administration Needs for West Bank Municipalities	Birzeit University, Palestine	Master, 2008	Shreen Abu Wa'ar
Member of thesis defense examination committee	Urbanization and Environment: The Nature of the Conflict	Birzeit University, Palestine	Master, 2007	Salim Abu Thaher
Member of thesis defense examination committee	Using the Power of Planning to Limit the Future Development of East Jerusalem	Birzeit University, Palestine	Master, 2007	Raed Al-Najjar

BOOK REVIEW

Reviewed a book titled *Textbook of Highway Engineering* by R. Srinivasa Kumar for the University Press Ltd (Orient BlackSwan), India, published 2011 (ISBN-10: 8173716811)

PROFESSIONAL SOCIETIES MEMBERSHIP

- Committee on Traffic Control Devices, Transportation Research Board
- The American Society of Civil Engineers
- The Jordanian Engineering Association
- The Institute of Transportation Engineers
- Sigma Xi, Scientific Research Society

HONORS AND AWARDS

- Marquis Who's Who in Science and Engineering, 4th Edition, 1998/1999
- Awarded a competitive fellowship from the Federal Highway Administration, Washington, D.C. for one year (1986 /1987)
- Awarded two research study visits to Germany from the DAAD for the summer of 1995 at Dortmund University and for the summer of 2001 at the Aachen University of Technology
- Member of Sigma Xi, Scientific Research Society

PROFESSIONAL REGISTRATION

Professional Engineering Registration no. 15496, the State of Maryland, (valid since 1987)

COMPUTER PROFICIENCY

Proficient in numerous computer software packages

LANGUAGE PROFICIENCY

Proficient in English and Arabic