



Ghazi G. Al-Khateeb, Ph.D.

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http://www.sharjah.ac.ae/en/academics/Colleges/eng/dept/ced/Pages/ppl_detail.aspx?mcid=31&em=Z2Fsa2hhdGVlYkBzaGFyYamFoLmFjLmFl

<https://scholar.google.com/citations?user=ZDW7AeAAAAAJ&hl=en>

https://www.researchgate.net/profile/Ghazi_Al-Khateeb

Education:

- Ph.D. Civil Engineering / Transportation (January 2001)
GPA = 3.96 out of 4.00
Dissertation: “Development of a Hollow-Cylinder Tensile Tester to Obtain Fundamental Mechanical Properties of Asphalt Paving Mixtures”
University of Illinois at Urbana-Champaign (UIUC), Urbana, IL, USA

 - M.S. Civil Engineering / Transportation (January 1994)
Ranked 1st
Dissertation: “Effect of Traffic Movement and Volume on Air Pollution in Irbid City”
Jordan University of Science and Technology (JUST), Irbid, Jordan

 - B.S. Civil Engineering (January 1991)
Ranked 1st in Semester
Jordan University of Science and Technology (JUST), Irbid, Jordan
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Honors and Awards:

- ❑ College Honor Award for Outstanding Performance Students, Department of Civil Engineering, Jordan University of Science and Technology, June 1990.
 - ❑ College Honor Award for Outstanding Performance Students, Department of Civil Engineering, Jordan University of Science and Technology, June 1989.
 - ❑ College Honor Award for Outstanding Performance Students, Department of Civil Engineering, Jordan University of Science and Technology, June 1988.
 - ❑ College Honor Award for Outstanding Performance Students, Department of Civil Engineering, Jordan University of Science and Technology, June 1987.
 - ❑ College Honor Award for Outstanding Performance Students, Department of Civil Engineering, Jordan University of Science and Technology, January 1987.
 - ❑ University Honor Award, for Outstanding Performance Students, Department of Civil Engineering, Jordan University of Science and Technology, June 1987.
 - ❑ University Honor Award, for Outstanding Performance Students, Department of Civil Engineering, Jordan University of Science and Technology, January 1987.
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Professional Experience:

- ❑ Associate Professor, University of Sharjah, Sharjah, UAE (September 01, 2017-present).
 - ❑ Visiting Associate Professor, University of Sharjah, Sharjah, UAE (September 01, 2015-August 31, 2017).
 - ❑ Visiting Associate Professor, American University of Sharjah, Sharjah, UAE (September 01, 2014-August 31, 2015).
 - ❑ Associate Professor, Jordan University of Science and Technology, Irbid, Jordan (September 2011-September 2014).
 - ❑ Assistant Professor, Jordan University of Science and Technology, Irbid, Jordan (September 2006-September 2011).
 - ❑ Senior Research Scientist and On-Site Technical Manager, Pavement Materials and Construction Team, Turner-Fairbank Highway Research Center (TFHRC) of the Federal Highway Administration (FHWA), McLean, VA, USA (November 2000-September 2006).
 - ❑ Graduate Research and Teaching Assistant, Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, Urbana, IL, USA (January 1997-November 2000).
 - ❑ Highway Laboratory Manager, Department of Civil Engineering, Applied Science University, Amman, Jordan (November 1994-August 1996).
 - ❑ Researcher, Department of Civil Engineering, Jordan University of Science and Technology, Irbid, Jordan (January 1994-November 1994).
 - ❑ Graduate Research and Teaching Assistant, Department of Civil Engineering, Jordan University of Science and Technology, Irbid, Jordan (January 1991-January 1994).
 - ❑ Project Supervisor Engineer, Training Course, Irbid, Jordan (June 1990-September 1990).
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Academic Experience:

University Courses (Teaching Undergraduate):

University of Sharjah, Sharjah, UAE (September 2015-present)

- 0401100 Introduction to Civil and Environmental Engineering
- 0401201 Statics
- 0401405 Numerical Methods
- 0401491/498 Senior Design Project I Coordination
- 0401492/499 Senior Design Project II Coordination

University Courses (Teaching Undergraduate):

American University of Sharjah, Sharjah, UAE (September 2014-September 2015)

- CVE 241 Elementary Surveying
- CVE 263 Urban Transportation Planning
- CVE 456 Traffic Engineering
- CVE 490 CE Design Project I
- CVE 491 CE Design Project II

University Courses (Teaching Undergraduate and Graduate):

Jordan University of Science and Technology, Irbid, Jordan (September 2006-September 2014)

- CE 341 Surveying
- CE 343 Surveying Laboratory
- CE 442 Pavement Materials and Design I
- CE 444 Highway Laboratory
- CE 540 Pavement Materials and Design II
- CE 541 Traffic Engineering
- CE 543 Advanced Transportation Engineering
- CE 546 Highway Maintenance
- CE 582 Special Topics in Transportation
- CE 743 Advanced Pavement Analysis and Design
- CE 746 Highway Safety

University Courses (TA):

University of Illinois at Urbana Champaign, Urbana, IL, USA (August 1998-November 2000)

- CE 321 Bituminous Materials with Lab

University Courses (TA):

Applied Science University, Amman, Jordan (November 1994-August 1996)

- CE 100 Engineering Drawing
- CE 216 Surveying Laboratory
- CE 261 Construction Materials
- CE 262 Construction Materials Laboratory
- CE 323 Structural Design I
- CE 324 Structural Design II
- CE 341 Highway Engineering
- CE 342 Highway Engineering Laboratory

- CE 441 Transportation and Traffic Engineering

Jordan University of Science and Technology, Irbid, Jordan (January 1991-January 1994)

- CIV 211 Fluid Mechanics and Hydraulics
 - CIV 222 Surveying I
 - CIV 343 Surveying Laboratory
 - CIV 344 Route Surveying
 - CIV 352 Hydraulics
 - CIV 354 Fluid Mechanics and Hydraulics Laboratory
 - CIV 441 Transportation Engineering
 - CIV 442 Highway and Traffic Engineering
 - CIV 444 Highway Laboratory
 - CIV 546 Highway Maintenance
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Administrative Experience:

- Vice Dean of Engineering, College of Engineering, Jordan University of Science and Technology, Irbid, Jordan (September 1, 2012-September 1, 2014).
 - Vice-Director of the Consultative Center for Science and Technology (CCST), Jordan University of Science and Technology, Irbid, Jordan (September 1, 2009-September 1, 2010).
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Professional Affiliations:

- Member, the Association of Asphalt Paving Technologists (AAPT).
 - Member, the American Society of Civil Engineers (ASCE).
 - Member, Jordan Engineers Association (JEA).
 - Member, Jordan Society for Scientific Research (JSSR).
 - Member, Jordan Road Accidents Prevention (JRAP).
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Technical and Academic Proficiency:

Pavement Performance, Design, and Analysis Programs:

- BISAR
- KENLAYER
- KENPAVE
- KENSLABS
- ILLISLAB
- ILLIPAVE
- LEDFAA
- LTPP
- VESYS
- BOUSDEF

- ❑ BISDEF
- ❑ EVERCALC
- ❑ EVERPAVE
- ❑ EVERSTRS
- ❑ EVERFLEX
- ❑ WINLEA

Advanced Materials Testing and Data Acquisition Software:

- ❑ LabVIEW
- ❑ Labtech
- ❑ Test Star
- ❑ Fast Track: Max and Wavemaker

Universal Mechanical / Dynamic Testing Frames/Systems:

- ❑ Instron
- ❑ MTS
- ❑ IPC
- ❑ Interlaken

Finite Element Programs:

- ❑ ABAQUS
- ❑ EVERFLEX

Statistical Analysis Programs / Software:

- ❑ SAS
- ❑ Statistica
- ❑ SPSS
- ❑ Excel

Attended Academic Development Workshops:

- ❑ Workshop on “Fiber Reinforced Concrete (FRC)”, University of Sharjah, Sharjah, UAE, April 23, 2018.
- ❑ Workshop on “New Promotion Regulations”, Center of Continuing Education and Professional Development, University of Sharjah, Sharjah, UAE, November 16, 2017.
- ❑ Workshop on “Skills Development in Using UOS e-Services”, Center of Continuing Education and Professional Development, University of Sharjah, Sharjah, UAE, August 30 and September 3, 2015.
- ❑ Workshop on “Academic Faculty Bylaws”, Center of Continuing Education and Professional Development, University of Sharjah, Sharjah, UAE, August 24-25, 2015.
- ❑ One Full Day Faculty Workshop, “Microsoft Technology Enriched Instruction”, American University of Sharjah, Sharjah, United Arab Emirates, November 15, 2014.
- ❑ Workshop on “Statistical Package for Social Sciences (SPSS)”, the Academic Development Center, Jordan University of Science and Technology, Irbid, Jordan, July 08-09, 2012.
- ❑ Workshop on “Testing and Evaluation”, the Academic Development Center, Jordan University of Science and Technology, Irbid, Jordan, April 28-29, 2010.

- ❑ Workshop on “Modern University Instructional Methods: E-Learning”, the Academic Development Center, Jordan University of Science and Technology, Irbid, Jordan, September 10-11, 2007.

Delivered Seminars/Lectures:

- ❑ Seminar on “Development of Asphalt Mix Design Specifications for Future Superior Performing Roadways in UAE,” Sharjah Research Academy (SRA), Sharjah, UAE, June 07, 2018.
- ❑ Seminar on “Fatigue Failure Criterion for Hot-Mix Asphalt (HMA),” the University of Sharjah, Sharjah, UAE, March 16, 2016.
- ❑ Lecture on “Innovations in Civil Engineering,” the University of Sharjah, in the UAE Innovation Week (November 22-28, 2015), Sharjah, UAE, November 25th, 2015.
- ❑ Lecture on “Superpave System,” Philadelphia Private University, Amman, Jordan, December 05, 2013.
- ❑ Lecture on “Strategies for Traffic Jams in Irbid City” for traffic-concerned parties and engineers at Irbid Governorate, Irbid, Jordan, July 22, 2009.
- ❑ Lecture and presentation entitled “Scientific Research and Development” at Jumana Bent Abi Taleb High School, Ramtha, Irbid, Jordan, November 27, 2008.
- ❑ Lecture and presentation entitled “Scientific Research and Development” at Abi Tammam High School, Ramtha, Irbid, Jordan, November 20, 2008.
- ❑ Lecture and presentation on “Leading Causes and Road Safety Strategies for Traffic Accidents in Jordan,” Presented at *Jordan Engineers Association (JEA) in the Traffic Safety Day*, Irbid, Jordan, June 10, 2008.

Delivered Technical Workshops:

- ❑ Workshop on “Superpave System Level II,” Jordan University of Science and Technology, Irbid, Jordan, July 18-22, 2010.
- ❑ Workshop on “Superpave System Level I,” Jordan University of Science and Technology, Irbid, Jordan, June 21-24, 2010.
- ❑ Workshop on “Superpave System and Asphalt Mixture Design,” Jordan University of Science and Technology, Irbid, Jordan, June 21-25, 2009.
- ❑ Seminar on “Leading Causes and Road Safety Strategies for Traffic Accidents in Jordan,” Jordan Engineers Association (JEA) on the Traffic Safety Day, Irbid, Jordan, June 10th, 2008.

Prepared Manuals:

- ❑ As a Head of the Superpave Technical Committee, prepared a Superpave Manual for the Specifications and Test Methods of Asphalt Mixtures commissioned by the Ministry of Public Works and Housing (MPWH), Amman, Jordan, 2010.
- ❑ Prepared numerous of technical reports for research studies at the FHWA Turner-Fairbank Highway Research Center during the period (2000-2006).
- ❑ Prepared Quality System Manuals for the Bituminous Mixtures Laboratory (BML) and Binder Rheology Laboratory (BRL) by the AASHTO Materials Reference Laboratory (AMRL) Accreditation Program, FHWA, TFHRC, McLean, VA, USA, April 2004. The manual preparation is done in accordance with the criteria and guidelines in the AASHTO Practice R18 “Establishing and Implementing a Quality System for Construction Materials Testing Laboratories.” These manuals must comply with the requirements of the AASHTO Practice R18, April 2004.

Membership in Technical /Organizing Committees:

- ❑ Member in Organizing Committee, Workshop on Fiber Reinforced Concrete (FRC), University of Sharjah, Sharjah, UAE, April 23, 2018.
- ❑ Chair of Judging Committee, Session on Civil Engineering, the 5th UAE Undergraduate Research Competition, Abu Dhabi University, Abu Dhabi, UAE, May 08, 2017.
- ❑ Session Chair, “the Joint 8th International Forum on Engineering Education (IFEE) and 4th International Conference Towards Sustainable Development (ICTSD), Sharjah, United Arab Emirates, April 18 – 20, 2017.
- ❑ Technical Committee Member for Road Master Plan in Jordan, European Investment Grant, MPWH, Amman, Jordan, 2010.
- ❑ Member (JUST Representative), Traffic Technical Committee for Irbid City, Irbid Governorate and the Traffic Department of Irbid Municipality, Irbid, Jordan, 2010.
- ❑ Member, Asphalt and Roads Technical Committee, MPWH, Amman, Jordan, 2010.
- ❑ Head, Superpave Technical Committee, MPWH, Amman, Jordan, 2010.
- ❑ Organizing Committee Member, The 4th Conference on Scientific Research in Jordan (CSRJ), Amman, Jordan, November 7, 2009.
- ❑ Organizing Committee Member, Traffic Engineering Day, Jordan Engineers Association (JEA), Irbid, Jordan, June 10, 2008.
- ❑ Federal Highway Administration (FHWA) Representative as a Reviewer in the US National Technical Committee to Review the Western Research Institute (WRI) Research Results and Findings (2002-2006).

Review of Promotions:

- ❑ Application for Transfer from B to A within Associate Professor Rank, JUST, Jordan, May 2014.
 - ❑ Application for Promotion from Assistant to Associate Professor, Hail University, KSA, April 2014.
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Research:

Funded Research Projects at University of Sharjah:

Sponsor	PI Name Co-PI Names	Project Title	Status	Fund Amount (Dhs)	Dates
University of Sharjah	Ghazi Al-Khateeb Waleed Zeiada	Producing Sustainable Modified Asphalt Binders Using Dates Seeds Filler	Active	36,000	06/2018-06/2019
Sharjah Research Academy	Mufid Samarai Waleed Zeiada Ghazi Al-Khateeb Rulla Saad	Asphalt Binder PG Mapping and Impact of Climate Change on Pavement Performance in the UAE	Active	1,925,000	06/2018-06/2021

Funded Research Projects at JUST:

Sponsor	PI Name Co-PI Names	Project Title	Status	Fund Amount (JD)	Dates
Deanship of Research, Jordan University of Science and Technology	Khalid Ghuzlan Ghazi Al-Khateeb	Studying the Fatigue Behavior of Asphalt Binders Using the Dynamic Shear Rheometer (DSR)	Active	3,000	11/2010-11/2014
Scientific Research Support Fund / Ministry of Higher Education and Scientific Research	Ghazi Al-Khateeb Turki Obaidat Taisir Khedaywi	Introducing New Technologies and Advanced Methodologies for Asphalt Mixtures of Highway Pavements in Jordan	Complete	279,200	11/2008-11/2012
Deanship of Research, Jordan University of Science and Technology	Ghazi Al-Khateeb	Investigation of the Combined Effect of Dynamic Loading Frequency and Temperature on Fatigue Life of Asphalt Paving Mixtures	Complete	5,100	09/2007-09/2009

Research Projects (Mostly Pooled Fund Projects at the FHWA):

PI Name Co-PI Names	Project Title	Status	Type and Sponsor	Dates
Jack Youtcheff Nelson Gibson Aron Shenoy Ghazi Al-Khateeb	Evaluation of Epoxy Asphalt Materials	Complete	Pooled Fund Study-States	03/2006-11/2006
Xicheng Qi Aron Shenoy Ghazi Al-Khateeb Other Team Members	Laboratory Characterization and Full-Scale Accelerated Performance Testing of Crumb Rubber Asphalts and Other Modified Asphalt Systems	Complete	Pooled Fund Study-States	10/2004-10/2006
Ghazi Al-Khateeb Kevin Stuart Nelson Gibson	Evaluation of ALF Modified Asphalt Mixtures for Intermediate-Temperature Fatigue Performance	Complete	Pooled Fund Study-States	06/2002-09/2006
Ghazi Al-Khateeb Kevin Stuart	Evaluation of ALF Modified Asphalt Mixtures for High-	Complete	Pooled Fund Study-States	06/2002-09/2006

Jack Youtcheff Nelson Gibson Other Team Members	Temperature Rutting Performance			
Pavement Materials and Construction Team at TFHRC/FHWA including Ghazi Al-Khateeb	ALF Testing for Development of Improved Superpave Binder Specifications	Complete	Pooled Fund Study-States	06/2002-09/2006
Xicheng Qi Ghazi Al-Khateeb Other Team Members	Performance of the FHWA's ALF Modified Binder Pavements	Complete	Pooled Fund Study-States	08/2004-08/2006
Pavement Materials and Construction Team at TFHRC/FHWA including Ghazi Al-Khateeb	Strain Responses in ALF Modified-Binder Pavement Study	Complete	Pooled Fund Study-States	12/2002-09/2004
Jack Youtcheff Kevin Stuart Ghazi Al-Khateeb Aron Shenoy	Understanding the Performance of Polymer Modified Binders	Complete	Pooled Fund Study-States	12/2002-09/2004
Xicheng Qi Ghazi Al-Khateeb Terry Mitchell Kevin Stuart Other Team Members	Construction of the Accelerated Loading Facility (ALF) Pooled Fund Study Pavements	Complete	Pooled Fund Study-States	06/2002-06/2003
Zhiwang Zhang Ghazi Al-Khateeb Thomas Harman Kevin Stuart	Evaluation of Bulk Specific Gravity of Fine Aggregate Using AASHTO T84, SSDetect and CoreLok Methods	Complete	Pooled Fund Study-States	10/2002-05/2003
Ghazi Al-Khateeb Kevin Stuart Other Team Members	Quality Control/Quality Assurance (QC/QA) of Asphalt Mixtures Used in the Construction of the Accelerated Loading Facility (ALF) Pooled Fund Study Pavements	Complete	Pooled Fund Study-States	06/2002-05/2003
Ghazi Al-Khateeb Kevin Stuart Zhiwang Zhang	Understanding Low-Temperature Behavior of Modified Asphalt Mixtures using the Thermal Stress Restrained Specimen Test (TSRST), the Indirect Tensile Test (IDT), and the Hollow-Cylinder Test (HCT)	Complete	Pooled Fund Study-States	02/2002-02/2003
Ghazi Al-Khateeb Kevin Stuart Other Team Members	Mixture Designs of Asphalt Mixtures Used in the Construction of the Accelerated Loading Facility	Complete	Pooled Fund Study-States	06/2002-12/2002

	(ALF) Pooled Fund Study Pavements			
Pavement Materials and Construction Team at TFHRC/FHWA including Ghazi Al-Khateeb	Long-Term Pavement Performance (LTPP) Ruggedness Study	Complete	LTTP P07-FHWA HRDI-13	10/2000-11/2002
Pavement Materials and Construction Team at TFHRC/FHWA including Ghazi Al-Khateeb	Understanding the Performance of Modified Asphalt Binders in Mixtures	Complete	NCHRP 90-07	06/1999-06/2002
Thomas Harman Ghazi Al-Khateeb	Investigation of the Restricted Zone for the Superpave Aggregate Gradations	Complete	Pooled Fund Study-States	06/2001-02/2002
Ghazi Al-Khateeb Kevin Stuart Thomas Harman	Evaluation of the Dynamic Angle Validation Kit (AVK) for the Superpave Gyratory Compactor (SGC)	Complete	Pooled Fund Study-States	11/2001-01/2002
Ghazi Al-Khateeb Thomas Harman Kevin Stuart	The Effect of Variability of the Top and Bottom Dynamic Internal Angles in the Superpave Gyratory Compactor on Hot-Mix Asphalt Properties	Complete	Pooled Fund Study-States	06/2001-01/2002
Ghazi Al-Khateeb Kevin Stuart Charles Paugh Thomas Harman John D'Angelo	Target and Tolerance Study for the Angle of Gyration in the Superpave Gyratory Compactor (SGC)	Complete	Pooled Fund Study-States	04/2001-11/2001
Pavement Materials and Construction Team at TFHRC/FHWA including Ghazi Al-Khateeb	Investigation of Modified Asphalt Systems	Complete	NCHRP 90-04	06/1999-04/2001
Pavement Materials and Construction Team at TFHRC/FHWA including Ghazi Al-Khateeb	Development of Asphalt Mastics Tests to Predict Performance	Complete	NCHRP 90-09	06/1999-04/2001
Ghazi Al-Khateeb Kevin Stuart	Rutting Performance for Environmentally Friendly Asphalt Mixtures Using Frequency Sweep at Constant Height (FSCH) and Repeated Shear at Constant Height (RSCH) Tests	Complete	Pooled Fund Study-States	11/2000-03/2001
William Buttlar Ghazi Al-Khateeb	The Forensic Investigation of Thermal Cracking on I-155 Highway Using the Superpave	Complete	Cooperative IDOT and UIUC	01/1998-01/1999

	Indirect Tensile Test (IDT) at UIUC		Cooperative Research, Highway and Transportation Research Program, Project No. IHR-002, IDOT	
William Buttlar Angela Waldhoff Ghazi Al-Khateeb	Calibration of TCMODEL for the Superpave IDT Using Fundamental Properties at UIUC		UIUC and UF Cooperative Research	01/1999-01/2000

Research Studies at TFHRC of the FHWA:

PI Name Co-PI Names	Project Title	Status	Type and Sponsor	Dates
Ghazi Al-Khateeb Thomas Harman	The Effect of Paper Sheet Thickness on the Compaction Effort in the Superpave Gyrotory Compactor	Complete	Pooled Fund Study-States	06/2004-09/2004
Ghazi Al-Khateeb Imad Basheer	Evaluation of Hamburg WTD and Modeling	Complete	Pooled Fund Study-States	03/2005-09/2006
Nelson Gibson Ghazi Al-Khateeb Aroon Shenoy Thomas Harman	Analysis of High Temperature Binder Specification Parameters with Application of Time-Temperature Superposition and Statistical Measures	Complete	Pooled Fund Study-States	08/2004-08/2005
Nelson Gibson Ghazi Al-Khateeb Aroon Shenoy Thomas Harman	Warm Mix Study	Complete	Pooled Fund Study-States	03/2005-09/2006
Ghazi Al-Khateeb Aroon Shenoy Nelson Gibson Xicheng Qi	Mechanistic Analysis of the ALF Pavements using the Multilayer Elastic Theory (MLET)	Complete	Pooled Fund Study-States	01/2006-08/2006
Haleh Azari Ghazi Al-Khateeb Aroon Shenoy Nelson Gibson	Comparison of Measured SPT E* of ALF Mixtures with Predicted E* Using NCHRP 1-37A and Witczak's New	Complete	Pooled Fund Study-States	01/2006-08/2006

	Equations			
Ghazi Al-Khateeb Aroon Shenoy Nelson Gibson, Thomas Harman	A New Simplistic Model for Dynamic Modulus Predictions of Asphalt Paving Mixtures	Complete	Pooled Fund Study-States	01/2005-08/2005
Ghazi Al-Khateeb Xicheng Qi Aroon Shenoy Kevin Stuart Terry Mitchell	Assessment of Aging at the FHWA's Pavement Testing Facility	Complete	Pooled Fund Study-States	02/2002-08/2004
Ghazi Al-Khateeb Thomas Harman Kevin Stuart	Evaluation of Troxler CoreReader Equipment for Determining the Bulk Specific Gravity of Asphalt Paving Mixtures	Complete	Pooled Fund Study-States	02/2003-10/2003
Ghazi Al-Khateeb Kevin Stuart	ALF 1993 Beam Fatigue Study	Complete	Pooled Fund Study-States	08/2002-08/2003
Ghazi Al-Khateeb Aroon Shenoy	A Distinctive Fatigue Failure Criterion	Complete	Pooled Fund Study-States	06/2002-08/2003
Thomas Harman, Ghazi Al-Khateeb, and Kevin Stuart	Evaluation of Mechanical Mixture Simulation in the Measurement of the Dynamic Internal Angle of Gyration	Complete	Pooled Fund Study-States	01/2003-08/2003
Ghazi Al-Khateeb Kevin Stuart Thomas Harman Charles Paugh	Sensitivity of Angle of Gyration to Mix Stiffness in the Superpave Gyratory Compactor	Complete	Pooled Fund Study-States	01/2002-08/2002
Ghazi Al-Khateeb Kevin Stuart Thomas Harman	The Effect of Asphalt Mix Position on the Angle of Gyration in the Troxler Gyratory Compactor	Complete	Pooled Fund Study-States	02/2001-06/2001
Ghazi Al-Khateeb Kevin Stuart Thomas Harman	The Effect of Asphalt Mix Height on the Angle of Gyration in the Superpave Gyratory Compactor (SGC)	Complete	Pooled Fund Study-States	01/2001-04/2001

Other Studies at TFHRC of the FHWA:

PI Name Co-PI Names	Project Title	Status	Type and Sponsor	Dates
Ghazi Al-Khateeb	Round-Robin Testing	Complete	Pooled	11/2000-

Kevin Stuart	AMRL Proficiency Sample Testing		Fund Study-States	09/2006
Ghazi Al-Khateeb Kevin Stuart	Evaluation of Lime Added to Asphalt Mixtures Used for Construction of ALF Pavements	Complete	Pooled Fund Study-States	06/2002-06/2004
Ghazi Al-Khateeb Kevin Stuart	Evaluation of Fiber Added to Asphalt Mixtures Used for Construction of ALF Pavements	Complete	Pooled Fund Study-States	06/2002-06/2004
Ghazi Al-Khateeb Kevin Stuart	Rutting Evaluation of Asphalt Mixtures Used in the Construction of Turkey Run Park in McLean, VA, USA	Complete	Pooled Fund Study-States	02/2001-06/2001

In addition to many other studies.

Test Equipment:

Through my Ph.D. study, I developed the Hollow-Cylinder Tester (HCT) at the University of Illinois at Urbana-Champaign. The HCT is a surrogate test device for the Superpave Indirect Tensile Tester (IDT) that is used in the Superpave to characterize asphalt-paving mixtures for low-temperature cracking and predict pavement performance at low temperatures. Thus, the HCT is used in the direct tension mode to obtain fundamental mechanical properties of asphalt-paving mixtures at low and intermediate temperatures.

Publications:

Book / Chapters in a Book:

1. Ghazi G. Al-Khateeb and Riyada F. Al-Smadi, "PSI Models for Urban Highway Flexible Pavements in Jordan," Chapter 17, Architecture Anthology I: Architectural Construction, Materials, and Building Technologies, Part 2: Building Materials and Construction, Edited by Jamal M. Khatib, Athens Institute for Education and Research, Athens, Greece, 2015, pp. 205-216.
2. Khalid A. Ghuzlan, Ghazi G. Al-Khateeb, and Yazeed Qasem, "Rheological Properties of Polyethylene-Modified Asphalt Binder," Chapter 14, Architecture Anthology I: Architectural Construction, Materials, and Building Technologies, Part 2: Building Materials and Construction, Edited by Jamal M. Khatib, Athens Institute for Education and Research, Athens, Greece, 2015, pp. 165-178.
3. Nelson Gibson, Xicheng Qi, Aroon Shenoy, Ghazi Al-Khateeb, M. Emin Kutay, Adrian Andriescu, Kevin Stuart, Jack Youtcheff, and Thomas Harman, "Full-Scale Accelerated

Performance Testing for Superpave and Structural Validation: Transportation Pooled Fund Study TPF 5(019) and SPR-2(174) Accelerated Pavement Testing of Crumb Rubber Modified Asphalt Pavements,” US Department of Transportation, Federal Highway Administration (FHWA), Turner-Fairbank Highway Research Center, Office of Infrastructure Research and Development, McLean, Virginia, USA, *FHWA Publications*, Publication No. FHWA-HRT-11-045, November 2012.

Refereed Journal Papers:

1. Ghazi Al-Khateeb, Taisir Khedaywi, and Motaz Irfaeya, “Mechanical Behavior of Asphalt Mastics Produced Using Waste Stone Sawdust,” Accepted for Publication in the International Journal of *Advances in Materials Science and Engineering*, <https://doi.org/10.1155/2018/5362397>, June 2018.
2. Ghazi Al-Khateeb and Omar Alqudah, “Effect of Short-Term and Long-Term Aging on Fatigue Performance of Superpave Hot-Mix Asphalt (HMA),” *Jordan Journal of Civil Engineering*, Accepted for Publication, February 2018.
3. Ghazi Al-Khateeb and Aroon Shenoy, “Mixture-property-independent asphalt film thickness model,” *Journal of Materials Today Communications*, <https://doi.org/10.1016/j.mtcomm.2017.11.007>, November 2017.
4. Ghazi G. Al-Khateeb, Turki I. Obaidat, Taisir S. Khedaywi, and Mohammad S. Elayan, “Studying Rutting Performance of Superpave Asphalt Mixtures Using Unconfined Dynamic Creep and Simple Performance Tests,” *International Journal of Road Materials and Pavement Design*, Volume 19, Issue 2, 2018, pp. 315-333.
5. Ghazi G. Al-Khateeb, Motaz F. Irfaeya, and Taisir S. Khedaywi, “A New Simplified Micromechanical Model for Asphalt Mastic Behavior,” *Construction and Building Materials Journal (CBMJ)*, Vol. 149, 2017, pp. 587–598.
6. Ghazi G. Al-Khateeb, Khalid A. Ghuzlan, Mohammad O. Al-Barqawi, “Effect of Superpave restricted zone on volumetric and compaction properties of asphalt mixtures,” *International Journal of Pavement Research and Technology*, Vol. 10, Issue 6, November 2017, pp. 488-496
7. Ghazi G. Al-Khateeb, “Conceptualizing the Asphalt Film Thickness to Investigate the Superpave VMA Criteria,” *International Journal of Pavement Engineering (IJPE)*, ISSN: 1029-8436 (Print) 1477-268X (Online) Journal homepage: <http://www.tandfonline.com/loi/gpav20>, DOI: 10.1080/10298436.2016.1224414, October 2016.
8. Ghazi G. Al-Khateeb and Khaled Z. Ramadan, “Investigation of the Effect of Rubber on Rheological Properties of Asphalt Binders using Superpave DSR,” *Korean Society of Civil Engineers (KSCE) Journal of Civil Engineering*, Vol. 19, Issue 1, January 2015, pp. 127-135.
9. Ghazi Al-Khateeb and Khalid Ghuzlan, “The Combined Effect of Loading Frequency, Temperature, and Stress Level on the Fatigue Life of Asphalt Paving Mixtures Using the IDT Test Configuration,” *International Journal of Fatigue (IJF)*, Vol. 59, February 2014, pp. 254-261.

10. Khalid Ghuzlan, Ghazi Al-Khateeb, and Abdullah Abu Damrah, "Using Oil Shale Ash Waste as a Modifier for Asphalt Binders," *Journal of Material Cycles and Waste Management*, Vol. 15, October 2013, pp. 522–529.
11. Khalid Ghuzlan and Ghazi Al-Khateeb, "Selection and Verification of Performance Grading for Asphalt Binders Produced in Jordan," *International Journal of Pavement Engineering (IJPE)*, Vol. 14, No. 2, February 2013, pp. 116-124.
12. Ghazi Al-Khateeb, Taisir Khedaywi, Turki Obaidat, and Ahmad Mirwais Najib, "Laboratory Study for Comparing Rutting Performance of Limestone and Basalt Superpave Asphalt Mixtures," *American Society of Civil Engineers' Journal of Materials in Civil Engineering (JMCE)*, Vol. 25, Issue 1, January 2013, pp. 21-29.
13. Khalid Ghuzlan, Ghazi Al-Khateeb, and Mai Haddad, "Evaluation of 2008 Traffic Safety Policies in Jordan," *Jordan Journal of Civil Engineering (JJCE)*, Vol. 6, No. 1, 2012, pp. 122-133.
14. Taisir Khedaywi, Ghazi Al-Khateeb, and Motaz Irfaeya, "Effect of Medical Ash on Shear Properties of Asphalt Binder Using Superpave Dynamic Shear Rheometer (DSR)," *Journal of Solid Waste Technology and Management (JSWTM)*, Vol. 38, No. 1, February 2012, pp. 19-27.
15. Mohammad Abojaradeh, Michael Mamlouk, Basim Jrew, and Ghazi Al-Khateeb, "Framework for Level-I Alligator Cracking Methodology for Use in the Mechanistic-Empirical (M-E) Pavement Design Guide," *Jordan Journal of Civil Engineering (JJCE)*, Vol. 5, No. 4, 2011, pp. 530-544.
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26. William G. Buttlar, Ghazi G. Al-Khateeb, and Daniel S. Sherman, "Potential Applications of the Hollow-Cylinder Tensile Tester as a Simple Performance Test," *Transportation Research Circular No. E-C068*, Transportation Research Board, Washington, D. C., September 2004, pp. 69-84.
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29. Xicheng Qi, Ghazi Al-Khateeb, Terry Mitchell, and Kevin Stuart, "Construction of the Accelerated Loading Facility (ALF) Pooled-Fund Study Pavements," *Publications of the Federal Highway Administration (FHWA)*, McLean, VA, USA, 2004.
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33. W. G. Buttlar, D. Bozkurt, G. G. Al-Khateeb, and A. S. Waldhoff, "Understanding Asphalt Mastic Behavior through Micromechanics," *Journal of the Transportation Research Board (TRB)*, Transportation Research Record No. 1681, National Research Council, Washington, D. C., 1999, pp. 157-169.
34. T. I. Al-Suleiman and G. G. Al-Khateeb, "Effect of Traffic Movement and Delay on Air Pollution," *Road and Transport Research Journal (RTRJ)*, Australian Road Research Board (ARRB), Vol. 5, No.4, December 1996, pp. 84-98.

Conference Refereed Papers:

1. Khaled Hamad, Ghazi Al-Khateeb, and Maher Omar, "Senior Design Project Experience at Department of Civil and Environmental Engineering at University of Sharjah," *Proceedings of the joint 8th International Forum on Engineering Education (IFEE) and 4th International Conference Towards Sustainable Development (ICTSD)*, Sharjah, United Arab Emirates, April 18 – 20, 2017.
2. Al-Khateeb, G.G. and Al-Smadi, R.F., "PSI Models for Urban Highway Flexible Pavements in Jordan," *the 3rd Annual International Conference on Civil Engineering*, ATINER'S Conference Paper Series, No. CIV2013-0577, Athens Institute for Education and Research, Athens, Greece, June 10-13, 2013.
3. Ghuzlan, K.A., Al-Khateeb, G.G. and Qasem, Y., "Rheological Properties of Polyethylene-Modified Asphalt Binder," *the 3rd Annual International Conference on Civil Engineering*, ATINER'S Conference Paper Series, No. CIV2013-0581, Athens Institute for Education and Research, Athens, Greece, June 10-13, 2013.
4. Ghazi Al-Khateeb and Taisir Khedaywi, "Comparison of Traffic Accidents between Jordan and Other World Countries," *Proceedings of the 6th International Safety Conference*, Amman, Jordan, November 19-20, 2012.
5. Ghazi Al-Khateeb, Khalid Ghuzlan, and Mohammad Al-Barqawi, "Effect of Superpave Restricted Zone on Volumetric and Compaction Properties of Asphalt Mixtures," *the 5th Jordanian International Civil Engineering Conference (JICEC)*, Jordan Engineers Association (JEA), Amman, Jordan, January 17-19, 2012.
6. Hadeel Maiah and Ghazi Al-Khateeb, "Effect of Basalt and Limestone Aggregate Combinations on Superpave Aggregate Properties," *the 5th Jordanian International Civil Engineering Conference (JICEC)*, Jordan Engineers Association (JEA), Amman, Jordan, January 17-19, 2012.
7. Ghazi Al-Khateeb, Turki Obaidat, and Taisir Khedaywi, "Evaluation of Construction Limestone Aggregate Sourced in the Northern Part of Jordan Using Superpave Tests," *Proceedings of the 6th International Structural Engineering and Construction (ISEC) Conference*, Modern Methods

and Advances in Structural Engineering and Construction, Zurich, Switzerland, June 21-26, 2011, pp. 1207-1212.

8. Ghazi Al-Khateeb, Taisir Khedaywi, and Turki Obaidat, "Volumetric Analysis-Based Comparison between Superpave and Marshall Mixture Design Procedures," *Roads Evaluation and Maintenance (REM) Workshop*, Amman, Jordan, April 12th of 2010.
9. Ghazi Al-Khateeb, "Evaluation of the Effect of Heavy Vehicular Axle Loads on the Functional Behavior, Ride Quality, and Hence Safety of Highway Pavements in Jordan," *Proceedings of the 4th Conference on Scientific Research in Jordan (CSRJ)*, Amman, Jordan, November 7, 2009.
10. Ghazi G. Al-Khateeb, Raghu Satyanarayana, and Katherine Petros, "Sensitivity Analysis of the VESYS Program to Predict Critical Pavement Responses for Rutting and Fatigue Performances of Pavement Infrastructures," *Proceedings of the 10th International Conference on Application of Advanced Technologies in Transportation (AATT)*, Athens, Greece, May 27-31, 2008.
11. Ghazi Al-Khateeb, Mohammed Obaidat, and Taisir Khedaywi, "Road Safety Strategies Through Excellence in Services, Awareness, and Law Enforcement in Jordan." *Proceedings of the 5th International Safety Conference on "Road and Traffic Safety Strategies"*, Amman, Jordan, April 22-24, 2008, pp. 2-1 to 2-15.
12. Mohammed Obaidat, Ghazi Al-Khateeb, and Taisir Khedaywi, "Evaluation of Drivers' Behavioral Mistakes in Jordan." *Proceedings of the 5th International Safety Conference on "Road and Traffic Safety Strategies"*, Amman, Jordan, April 22-24, 2008, pp. 6-1 to 6-10.
13. Taisir Khedaywi, Mohammed Obaidat, Ghazi Al-Khateeb, and Thanaa' Ramadan, "Pedestrian Accidents in Jordan: Causes and Solutions." *Proceedings of the 5th International Safety Conference on "Road and Traffic Safety Strategies"*, Amman, Jordan, April 22-24, 2008, pp. 10-1 to 10-15.
14. Jack Youtcheff, Nelson Gibson, Aroon Shenoy, and Ghazi Al-Khateeb, "Evaluation of Epoxy Asphalt and Epoxy Asphalt Mixtures," *Proceedings of the 51st Annual Conference of the Canadian Technical Asphalt Association (CTAA)*, Polyscience Publications, Charlottetown Prince Edward Island, Canada, Issue 51, November 2006, pp. 351-368.
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16. Xicheng Qi, Ghazi Al-Khateeb, Aroon Shenoy, Terry Mitchell, Nelson Gibson, Jack Youtcheff, and Tom Harman, "Performance of the FHWA's ALF Modified-Binder Pavements," *Proceedings of the 10th International Conference on Asphalt Pavements (ICAP)*, International Society for Asphalt Pavements (ISAP), Quebec, Canada, August 12-17, 2006.
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20. Xicheng Qi, Ghazi Al-Khateeb, Terry Mitchell, Kevin Stuart, and Leslie Myers. "Construction of Modified Binder Accelerated Test Lanes-FHWA Accelerated Loading Facility: Determining Modified Asphalt Binder Properties for Superpave Specification," *Texas A&M University Pooled Fund Research Website*, 2004.
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22. Ghazi G. Al-Khateeb and William G. Buttlar, "Evaluating Tensile Strength of Asphaltic Paving Mixtures Using a Hollow-Cylinder Tensile Tester," *Proceedings of the 9th International Conference on Asphalt Pavements (ICAP)*, MIX DESIGN 1: 7-8, International Society for Asphalt Pavements (ISAP), Copenhagen, Denmark, August 2002.
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24. T. I. Al-Suleiman, G. G. Al-Khateeb, A. Z. Rabi, and A. R. Awad, "Effect of Traffic Volume on Air Pollution in Urban Areas: Case Study in Jordan," *Proceedings of the 2nd International Conference on Air Pollution*, Computational Mechanics Publications, Air Pollution II, Volume 1: Computer Simulation, pp. 367-375, Barcelona, Spain, September 1994.

Other Publications:

1. G. G. Al-Khateeb, *Development of a Hollow-Cylinder Tensile Tester to Obtain Fundamental Mechanical Properties of Asphalt Paving Mixtures*, Ph.D. Dissertation, University of Illinois at Urbana-Champaign, Urbana, IL, USA, January 2001.
2. G. G. Al-Khateeb, *Effect of Traffic Movement and Volume on Air Pollution in Irbid City*, M.Sc. Dissertation, Jordan University of Science and Technology, Irbid, Jordan, January 1994.

Technical Reports and Proposals:

1. Nelson Gibson, Ghazi Al-Khateeb, Aroon Shenoy, and Thomas Harman, "Analysis of High Temperature Binder Specification Parameters with Application of Time-Temperature Superposition and Statistical Measures," FHWA, TFHRC, McLean, VA, USA, August 2005.

2. Ghazi Al-Khateeb and Thomas Harman, "*The Effect of Paper Sheet Thickness on the Compaction Effort in the Superpave Gyratory Compactor,*" FHWA, TFHRC, McLean, VA, USA, September 2004.
3. Kevin Stuart, Ghazi Al-Khateeb, and Walaa Mogawer, "*A Comparison Study: Pavement Fatigue Cracking Provided by the FHWA's Accelerated Loading Facility vs. the Bending Beam Fatigue Test,*" FHWA, TFHRC, McLean, VA, USA, January 2004.
4. Xicheng Qi, Ghazi Al-Khateeb, Terry Mitchell, Kevin Stuart, and Jack Youtcheff, "*Construction of the Accelerated Loading Facility (ALF) Pooled-Fund Study Pavements,*" Intermediate Report, FHWA, TFHRC, McLean, VA, USA, January 2004.
5. Ghazi Al-Khateeb, Kevin Stuart, and Thomas Harman "*Evaluation of Troxler CoreReader Equipment for Determining the Bulk Specific Gravity of Asphalt Paving Mixtures,*" FHWA, TFHRC, McLean, VA, USA, September 2003.
6. Xicheng Qi, Ghazi Al-Khateeb, Terry Mitchell, Kevin Stuart, and Leslie Myers, "*Construction of the Accelerated Loading Facility (ALF) Pooled-Fund Study Pavements,*" Short Report, FHWA, TFHRC, McLean, VA, USA, September 2003.
7. Xicheng Qi, Ghazi Al-Khateeb, Terry Mitchell, and Kevin Stuart, "*Construction of the Accelerated Loading Facility (ALF) Pooled-Fund Study Pavements,*" Big Report, FHWA, TFHRC, McLean, VA, USA, June 2003.
8. Ghazi Al-Khateeb and Kevin Stuart, "*Quality Control/Quality Assurance (QC/QA) of Asphalt Mixtures Used in the Construction of the Accelerated Loading Facility (ALF) Pooled Fund Study Pavements,*" FHWA, TFHRC, McLean, VA, USA, May 2003.
9. Ghazi Al-Khateeb and Kevin Stuart, "*Mixture Designs of Asphalt Mixtures Used in the Construction of the Accelerated Loading Facility (ALF) Pooled Fund Study Pavements,*" FHWA, TFHRC, McLean, VA, USA, December 2002.
10. Ghazi Al-Khateeb, "*Evaluation of the Energy-Based Fatigue Failure Criteria of Asphalt Mixtures,*" FHWA, TFHRC, McLean, VA, USA, December 2002.
11. Ghazi Al-Khateeb and Kevin Stuart, "*Literature Review of the Energy-Based Fatigue Failure Criteria of Asphalt Mixtures,*" FHWA, TFHRC, McLean, VA, USA, October 2002.
12. Ghazi Al-Khateeb, Kevin Stuart, Thomas Harman, and Charles Paugh, "*Sensitivity of Angle of Gyration to Mix Stiffness in the Superpave Gyratory Compactor,*" FHWA, TFHRC, McLean, VA, USA, August 2002.
13. Thomas Harman and Ghazi Al-Khateeb, "*Investigation of the Restricted Zone for the Superpave Aggregate Gradations,*" FHWA, TFHRC, McLean, VA, USA, February 2002.
14. Ghazi Al-Khateeb and Kevin Stuart, "*Fatigue Behavior of Complex Asphalt Mixtures,*" FHWA, TFHRC, McLean, VA, USA, January 2002.

15. Ghazi Al-Khateeb, Kevin Stuart, and Thomas Harman, "*Evaluation of the Dynamic Angle Validation Kit (AVK) for the Superpave Gyratory Compactor (SGC)*," FHWA, TFHRC, McLean, VA, USA, January 2002.
16. Ghazi Al-Khateeb, Thomas Harman, and Kevin Stuart, "*The Effect of Variability of the Top and Bottom Dynamic Internal Angles in the Superpave Gyratory Compactor on Hot-Mix Asphalt Properties*," FHWA, TFHRC, McLean, VA, USA, January 2002.
17. Ghazi Al-Khateeb, Kevin Stuart, Charles Paugh, Thomas Harman, and John D'Angelo, "*Target and Tolerance Study for the Angle of Gyration in the Superpave Gyratory Compactor (SGC)*," FHWA, TFHRC, McLean, VA, USA, August 2001.
18. Ghazi Al-Khateeb, Kevin Stuart, and Thomas Harman, "*The Effect of Asphalt Mix Position on the Angle of Gyration in the Troxler Gyratory Compactor*," FHWA, TFHRC, McLean, VA, USA, June 2001.
19. Ghazi Al-Khateeb, Kevin Stuart, and Thomas Harman, "*The Effect of Asphalt Mix Height on the Angle of Gyration in the Superpave Gyratory Compactor (SGC)*," FHWA, TFHRC, McLean, VA, USA, April 2001.
20. Ghazi Al-Khateeb and Kevin Stuart, "*Rutting Performance for Environmentally Friendly Asphalt Mixtures Using Frequency Sweep at Constant Height (FSCH) and Repeated Shear at Constant Height (RSCH) Tests*," FHWA, TFHRC, McLean, VA, USA, March 2001.
21. Ghazi Al-Khateeb, "*Hollow Cylinder Tensile Test as a Rugged Portable Test to Obtain Fundamental Tensile Properties of Asphalt Paving Mixtures*," Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, Urbana, IL, USA, 2001.
22. A proposal on "*A Hollow-Cylinder Tensile Tester to Obtain Fundamental Mechanical Properties for Asphalt Paving Mixtures*," Submitted to the NCHRP-IDEA Program, Department of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign, Urbana, IL, USA, 1999.
23. Ghazi Al-Khateeb, Ph.D. Preliminary Exam Proposal Titled "*Development of a Hollow-Cylinder Tensile Tester for Asphalt Paving Mixtures*," University of Illinois at Urbana-Champaign, Urbana, IL, USA, June 1999.
24. William Buttlar and Ghazi Al-Khateeb, "*Investigation of Thermal Cracking on Highway I-155*," Illinois Cooperative Highway Research Program, Project IHR-002. Submitted to the Illinois Department of Transportation (IDOT), Springfield, IL, USA, September 1998.
25. A proposal on "*Development of a New Hollow-Cylinder Tensile Tester for Asphalt Paving Mixtures*," Submitted to the University of Illinois Research Board, University of Illinois at Urbana-Champaign, Urbana, IL, USA, 1997.

Invited Presentations:

1. Ghazi Al-Khateeb, "History of Superpave System," Seminar on "Development of Asphalt Mix Design Specifications for Future Superior Performing Roadways in UAE," Sharjah Research Academy (SRA), Sharjah, UAE, June 07, 2018.
2. Ghazi Al-Khateeb, "Fatigue Failure Criterion for Hot-Mix Asphalt (HMA)," Presented at the University of Sharjah, Sharjah, UAE, March 16, 2016.
3. Ghazi Al-Khateeb, "Innovations in Civil Engineering," Presented at the University of Sharjah on the *UAE Innovation Week* (November 22-28, 2015), Sharjah, UAE, November 25th, 2015.
4. Ghazi Al-Khateeb, "Superpave System," Presented at Philadelphia Private University, Amman, Jordan, December 2013.
5. Ghazi Al-Khateeb, "Strategies for Traffic Jams in Irbid City" for traffic-concerned parties and engineers at Irbid Governorate, Irbid, Jordan, July 22, 2009.
6. Ghazi Al-Khateeb, "Leading Causes and Road Safety Strategies for Traffic Accidents in Jordan," Presented at *Jordan Engineers Association (JEA) in the Traffic Safety Day*, Irbid, Jordan, June 10th, 2008.

Professional Presentations:

1. Ghazi Al-Khateeb, "History of Superpave System," Seminar on "Development of Asphalt Mix Design Specifications for Future Superior Performing Roadways in UAE," Sharjah Research Academy (SRA), Sharjah, UAE, June 07, 2018.
2. Ghazi Al-Khateeb, Seminar on "Fatigue Failure Criterion for Hot-Mix Asphalt (HMA)," Department of Civil and Environmental Engineering, University of Sharjah, Sharjah, UAE, March 16, 2016.
3. Ghazi Al-Khateeb, Lecture on "Innovations in Civil Engineering," UAE Innovation Week (November 22-28, 2015), University of Sharjah, Sharjah, UAE, November 25, 2015.
4. Ghazi Al-Khateeb and Riyada Al-Smadi, "PSI Models for Urban Highway Flexible Pavements in Jordan," Presented at *the 3rd Annual International Conference on Civil Engineering*, Athens Institute for Education and Research, Athens, Greece, June 10-13, 2013.
5. Ghazi Al-Khateeb and Taisir Khedaywi, "Comparison of Traffic Accidents between Jordan and Other World Countries" Presented at *the 6th International Safety Conference*, Amman, Jordan, November 19-20, 2012.
6. Ghazi Al-Khateeb, Khalid Ghuzlan, and Mohammad Al-Barqawi, "Effect of Superpave Restricted Zone on Volumetric and Compaction Properties of Asphalt Mixtures," Presented at *the 5th Jordanian International Civil Engineering Conference (JICEC)*, Jordan Engineers Association (JEA), Amman, Jordan, January 17-19, 2012.

7. Ghazi Al-Khateeb, Turki Obaidat, and Taisir Khedaywi, "Evaluation of Construction Limestone Aggregate Sourced in the Northern Part of Jordan Using Superpave Tests," Presented at *the 6th International Structural Engineering and Construction (ISEC) Conference*, Zurich, Switzerland, June 21-26, 2011.
8. Ghazi Al-Khateeb, Taisir Khedaywi, and Turki Obaidat, "Volumetric Analysis-Based Comparison between Superpave and Marshall Mixture Design Procedures," Presented at *Roads Evaluation and Maintenance (REM) Workshop*, Amman, Jordan, April 12th of 2010.
9. Ghazi Al-Khateeb, "Evaluation of the Effect of Heavy Vehicular Axle Loads on the Functional Behavior, Ride Quality, and Hence Safety of Highway Pavements in Jordan," Presented at *the 4th Conference on Scientific Research in Jordan (CSRJ)*, Amman, Jordan, November 7, 2009.
10. Ghazi Al-Khateeb, "Leading Causes and Road Safety Strategies for Traffic Accidents in Jordan," Presented at *Jordan Engineers Association (JEA) in the Traffic Safety Day*, Irbid, Jordan, June 10th, 2008.
11. Ghazi Al-Khateeb, "Road Safety Strategies Through Excellence in Services, Awareness, and Law Enforcement in Jordan," Presented at *the 5th International Safety Conference on "Road and Traffic Safety Strategies"*, Amman, Jordan, April 22-24, 2008.
12. Ghazi Al-Khateeb, "Mechanistic Analyses of ALF Pavements Using Multilayer Elastic Theory (MLET)," Presented at *the Technical Work Group Meeting for the Pooled Fund Study Participants*, FHWA, TFHRC, McLean, VA, USA, February 2006.
13. Ghazi Al-Khateeb, "Rutting Performance of the ALF Pavements at the FHWA's TFHRC," Presented at *the Technical Work Group Meeting for the Pooled Fund Study Participants*, FHWA, TFHRC, McLean, VA, USA, June 28-29, 2005.
14. Ghazi Al-Khateeb, "Fatigue Performance of the ALF Pavements at the FHWA's TFHRC," Presented at *the Technical Work Group Meeting for the Pooled Fund Study Participants*, FHWA, TFHRC, McLean, VA, USA, June 28-29, 2005.
15. Ghazi Al-Khateeb, "Assessment of Aging at the FHWA's Pavement Testing Facility," Presented at *the Transportation Research Board (TRB) Annual Meeting*, Washington, D.C., USA, January 2005.
16. Ghazi Al-Khateeb, "A Distinctive Fatigue Failure Criterion," Presented at *the Association of Asphalt Paving Technologists (AAPT) Annual Meeting*, Baton Rouge, Louisiana, USA, March 8-10, 2004.
17. Ghazi Al-Khateeb, "High-Temperature Performance Testing," Presented at *the Technical Work Group Meeting for the Pooled Fund Study Participants*, FHWA, TFHRC, McLean, VA, USA, February 3-4, 2004.
18. Ghazi Al-Khateeb, "Construction of the Accelerated Loading Facility (ALF) Pooled-Fund Study Pavements," Presented at *the Technical Work Group Meeting for the Pooled Fund Study Participants*, FHWA, TFHRC, McLean, VA, USA, February 3-4, 2004.

19. Ghazi Al-Khateeb, "Development of a Hollow-Cylinder Tensile Tester to Obtain Fundamental Mechanical Properties of Asphalt Paving Mixtures," Ph.D. Dissertation, Presented at *the University of Illinois at Urbana-Champaign*, Urbana, IL, USA, November 10, 2001.
20. Ghazi Al-Khateeb, "Hollow-Cylinder Tensile Tester for Asphalt Paving Mixtures," Presented in *the Mid-Continent Transportation Symposium*, Ames, Iowa, USA, May 15-16, 2000.
21. Ghazi Al-Khateeb, "Development of a Hollow-Cylinder Tensile Tester to Obtain Fundamental Mechanical Properties of Asphalt Paving Mixtures," Ph.D. Preliminary Exam Proposal, Presented at *the University of Illinois at Urbana-Champaign*, Urbana, IL, USA, June 1999.
22. Ghazi Al-Khateeb, "Hollow-Cylinder Tensile Tester," Presented in *the North Central Regional Research Meeting*, University of Wisconsin, Madison, WI, USA, September 1997.
23. Ghazi G. Al-Khateeb, "Effect of Traffic Movement and Volume on Air Pollution in Irbid City," M.S. Dissertation, Presented at *Jordan University of Science and Technology*, Irbid, Jordan, December 27th, 1993.

Graduate Students:

M.S. Thesis Supervisor

1. Mohammad Elayan, "Comparison Between Dynamic Creep and Simple Performance Tests for Rutting Performance of Superpave Asphalt Mixtures," 2012.
2. Khalid Al-Balas, "Performance-Based Comparison Between SUPERPAVE and MARSHALL Asphalt Mixtures Using Limestone Aggregates in Jordan," May 2011.
3. Ahmad Mirwais Najib, "Performance-Based Comparison Between Basalt Asphalt Mixtures and Limestone Asphalt Mixtures," July 2010.
4. Tariq Al-Baher, "Investigation of the Effect of Test Variables on Permanent Deformation of Superpave Asphalt Paving Mixtures in Jordan," December 2009.
5. Omer Al-Qudah, "Effect of Short-Term and Long-Term Aging on Fatigue Performance of Superpave Hot-Mix Asphalt (HMA) in Jordan," September 22, 2009.
6. Motaz Irfaeya, "Utilizing Superpave Dynamic Shear Rheometer (DSR) to Investigate Asphalt Mastics Behavior Through Micromechanics in Jordan," July 22, 2009.

M.S. Thesis Co-Supervisor

1. Tareq Al-Saleh, "The Development of Travel Time and Delay Contour Map for the City of Irbid," 2016.
2. Malak Shuwaikheh, "Rutting Prediction of Flexible Pavements Using Finite Element Models," 2016.
3. Monther A. Khader, "Fatigue Behavior of Aged Asphalt Binder," Summer 2015.
4. Mai Haddad, "Studying of Vehicle-Pedestrian Crashes in Irbid City," November 2011.

M.S. Committee Member

1. Mohammad Trabulsi, "Developing a Framework for Evaluating Accessibility Density and Coverage (for Mega-Scale Projects Development)," Master of Urban Planning, College of Architecture, Art, and Design, American University of Sharjah, Sharjah, UAE, June 2015.

2. Muhammad Salah, "Effect of Glass Concentration on Properties of Glasphalt," University of Jordan, 2009.
3. Abdullah Al-Adhami, "Development of Pavement Quality Index (PQI) for the Primary Road Network in Jordan," Jordan University of Science and Technology, August 2014.
4. Raed Rehaibeh, "Evaluation of Bond Strength between Old and New Overlay Pavements," Jordan University of Science and Technology, August 2010.
5. Abbas T. J. Al-Hyazai, "Jordanian Automobile Drivers' Traffic Safety Culture," Community Health Nursing, Jordan University of Science and Technology, May 2009.
6. Ekhlas Q. Alzoubi, "Estimation of Emergency Rescue Time for Road Accident Casualties in Northern Part of Jordan," Jordan University of Science and Technology, August 2007.
7. Mohannad W. Ahmed "Evaluating Marshall and Superpave VMA Requirements by Using the Rational Surface Area," Jordan University of Science and Technology, May 2007.

Undergraduate Students:

Project Supervisor at UOS

Student Name	Project	Academic Year
Adel M. Elmoslemany Ahmed J. Alyazji Mahmoud Y. Khalil Ahmed E. Ibrahim Hussein M. Naser	Designing a New Highway that connects the town of Al-Dhaid with the town of Al-Manamah	Fall 2017-2018 Spring 2017-2018
Amjad S. Gharez Eddin Abdulrahman E. Ghazizadeh Fahad M. Weli	Designing a New Highway that connects the town of Al-Dhaid with the town of Al-Manamah	Fall 2017-2018 Spring 2017-2018
Rawan A. Abdelrazek Kouther A. Bata Fatima Y. Salim Ghaya A. Alteneiji Rawan K. Shehadeh Razan H. Ibrahim	Designing a New Highway that connects the town of Al-Dhaid with the town of Al-Manamah	Fall 2017-2018 Spring 2017-2018
Raghdaa S. Karknawi Dana I. Choman Marah N. Elhodaliya Lubna G. Obaid Hala H. Al Kadi Shahd M. Humaid	Designing a New Highway that connects the Town of Al Rashidiya / Umm Al Quwain with the Town of Idhn / Ras Al Khaimah	Spring 2016-2017 Fall 2017-2018
Narjess B. Otoum Maryem M. Almazrouei Asma A. Eid Maram K. Abdullah Shaikha Hatam	Designing a New Highway that connects the Town of Al Rashidiya / Umm Al Quwain with the Town of Idhn / Ras Al Khaimah	Spring 2016-2017 Fall 2017-2018
Nasser R. Alsuwaidi Ibrahim M. Almet Mustafa A. Al-Khazraji Mohamad N. Ajjawi Ibrahim M. Abed	Designing a New Highway that connects the Town of Al Rashidiya / Umm Al Quwain with the Town of Idhn / Ras Al Khaimah	Fall 2016-2017 Spring 2016-2017

Alaa M. Sukkari		
Azmi Y. Khalaf Mohammad I. Abu Farhah Ahmed M. Hassan Mohamed Umar Ebrahim A. Mollaei Mamdouh M. Alahdab	Designing a New Highway that connects the Town of Al Rashidiya / Umm Al Quwain with the Town of Idhn / Ras Al Khaimah	Fall 2016-2017 Spring 2016-2017
Mohammad W. Mansour Mohammed J. Abuolwan Abdulnaser S. U'Shaaban Waid M. Abdalla	Designing a New Highway Between Masafi and Khor Fakkan	Spring 2015-2016 Fall 2016-2017
Rashed A. Alkaabi Mohammed Z. Babelli Anwar M. Hamdan Yousef N. AlNazli Muaioia N. Al Mazouni Ahmad M. Abedrabbob	Designing a New Highway Between Masafi and Khor Fakkan	Fall 2015-2016 Spring 2015-2016
Abdelaziz W. Alhammadi Omer M. Fadhil Anas M. Shahin Mohamed T. Alqahtani Mammon A. Derbas	Designing a New Highway Between Masafi and Khor Fakkan	Fall 2015-2016 Spring 2015-2016
Rana J. Al-tibi Magdoline M. Ali Shahd G. Al Sarraj Deemah S. Dalaq Hana S. Eltahir	Designing a New Highway Between Masafi and Khor Fakkan	Fall 2015-2016 Spring 2015-2016
Abdul Kareem M. Hamdan Mohamad K. Sabbagh Hassan M. Hamdoun Abdullah K. Abdullah Omar A. Sharaf El Din Eihab M. Elsherbeny	Designing a New Highway Between Masafi and Khor Fakkan (Project II only)	Fall 2015-2016

Project Supervisor at AUS

Student Name	Project	Academic Year
Sophie Ziai Obaid Al Marri Amineh Ahmed	Designing a New Highway Between Mohammed Bin Zayed Highway and Al-Khail Highway.	Fall 2014-2015 Spring 2014-2015

Project Supervisor at JUST

Student Name	Project	Academic Year
Alaa' Mallouh Wafaa' Al-Halahleh	Designing a New Highway	Fall 2006-2007 Spring 2006-2007

Reema Al-Suwayti (Project I) Mohammad Khasawneh Osama Darweish	Designing a New Highway Development of a Windows-Based Program to Determine Aggregate Blend Gradations According to the Superpave Specifications Designing a New Highway	Spring 2006-2007 Spring 2006-2007 Fall 2007-2008
Mohannad Atawneh Nagham Yaqup Riada Al-Smadi	Designing a New Highway Development of Models for the Present Serviceability Index (PSI) for Asphalt Pavement for Rural Highways in Jordan Development of Models for the Present Serviceability Index (PSI) for Asphalt Pavement for Urban Highways in Jordan	Fall 2007-2008 Spring 2007-2008
Reema Al-Suwayti (Project II)	Designing a New Highway	Spring 2007-2008
Ala' Malkawi Hadeel Shatnawi Murad Al-Na'washi Salah Al-Shawwaf	Designing a New Highway	Spring 2007-2008 Fall 2008-2009
Arafat Gahwash Basem Anagreh Ula Halloush	Designing a New Highway	Fall 2008-2009 Spring 2008-2009
Katie Al-Ziyadine (Project I)	Designing a New Highway	Spring 2008-2009
Ahmad Hayajneh	Evaluation of Highway Materials Using Superpave System	Spring 2008-2009 Fall 2009-2010
Qutadah Ababneh Suhair Obaidat Hamzeh Al-Umoush (Project II) Katie Al-Ziyadine (Project II) Lina Al-Waqfi (Project II)	Designing a New Highway	Fall 2009-2010 Spring 2009-2010 Spring 2009-2010
Majd Hamdan Sanabel Pawlo	Designing a New Highway	Spring 2009-2010 Fall 2010-2011
Ahmad Simreen Hamzah Al-Qudah Ma'moon Damrah Mohammad Al-Barqawi (Main) Mohammad Khaleel Abdallah Abdel-Rahman (Co) Yazeed Qasem (Co)	Designing a New Highway Effect of Restricted Zone in Superpave Gradation Specification on Volumetric Properties of the Mix Restricted Zone	Fall 2010-2011 Spring 2010-2011

Ahmad Al-Omari Rania Jaba'tah (Main) Shaima' Abu-Darweesh Talal Al-Damen Yazan Al-Athamneh Walaa' Darweesh (Co)	Designing a New Highway	Spring 2010-2011 Fall 2011-2012
Hadeel Maaiah Hamzah Nakhleh Huda Ekbariah Majd Rehani Muawiyah Ababneh Raghad Al-Zu'bi	Effect of Basalt and Limestone Combinations on Superpave Aggregate Properties	Fall 2011-2012 Spring 2011-2012
Hisham Al-Khateeb (Project I) Bayan Al-Malak Haneen Sosah Heba Abu-Ubaid Laith Momani	Designing a New Highway	Spring 2011-2012 Spring 2011-2012 Fall 2012-2013
Hisham Al-Khateeb (Project II) Elham Ghunaimat Mohammad Al-Taani Mu'taz Ananbeh Norah Dalgamoni Saja Al-Deeb	Designing a New Highway	Spring 2012-2013 Fall 2012-2013 Spring 2012-2013
Mai Al-Qudsi Tasneem Megdadi Sandra Gharaibeh Yousuf Agha (Project II) Rawan Al-Omari (Projects I&II)	Designing a New Highway	Spring 2012-2013 Fall 2013-2014 Fall 2013-2014
Duha Al-Deeb Mujktar Hasan Ghazi Al-Bader Mohammad Al-Shurman Ali Al-Nusour	Designing a New Highway	Fall 2013-2014 Spring 2013-2014
Omar Al-Bataineh Abdelfatah Hiyasat Maan Al-Momani Muneeb Mohammad Eman Assaf Reema Nammass	Designing a New Highway (Project I only)	Spring 2013-2014

Service:

Journal Editor / Editorial Board Member:

- ❑ Editorial Advisory Board Member, Materials Analysis and Characterization, Cambridge Scholars Publishing,
<http://www.cambridgescholars.com/t/MaterialsAnalysisAdvisory>.
- ❑ Editorial Team Member, International Journal of Recent Development in Civil & Environmental Engineering, Eureka Journals Publisher,
<http://technology.eurekajournals.com/index.php/IJRDCEE/about/editorialTeam>.
- ❑ Lead Guest Editor, Special Issue on “Innovative Materials, New Design Methods, and Advanced Characterization Techniques for Sustainable Asphalt Pavements,” International Journal of Advances in Materials Science and Engineering, Hindawi Publishers.

Reviewer of International Journals and Conferences:

- ❑ ASCE Journal of Materials in Civil Engineering
- ❑ International Journal of Pavement Engineering
- ❑ Construction and Building Materials
- ❑ Road Materials and Pavement Design
- ❑ Journal of Materials and Design
- ❑ Journal of Transportation Engineering
- ❑ ASTM Advances in Civil Engineering Materials
- ❑ ASTM Testing and Evaluation
- ❑ Advances in Materials Science and Engineering
- ❑ Journal of the Association of Asphalt Paving Technologists (AAPT)
- ❑ International Journal of Pavement Research and Technology
- ❑ Korean Society of Civil Engineers (KSCE) Journal
- ❑ Journal of the ASCE Geo Frontier
- ❑ ASTM International-Advances in Civil Engineering Materials journal
- ❑ KSCE Journal of Civil Engineering
- ❑ Jordan Journal of Civil Engineering
- ❑ Springer Plus Research
- ❑ International Conference on Applications of Advanced Technologies in Transportation.
- ❑ Project Results of the Western Research Institute (WRI) Research Program sponsored by the FHWA.

Attended Conferences, Workshops, and Technical Meetings:

- ❑ The Joint 8th International Forum on Engineering Education (IFEE) and 4th International Conference Towards Sustainable Development (ICTSD), University of Sharjah, Sharjah, UAE April 18-20, 2017.
- ❑ Workshop on “Skills Development in Using UOS e-Services”, Center of Continuing Education and Professional Development, University of Sharjah, Sharjah, UAE, August 30 and September 3, 2015.
- ❑ Workshop on “Academic Faculty Bylaws”, Center of Continuing Education and Professional Development, University of Sharjah, Sharjah, UAE August 24-25, 2015.

- ❑ Workshop on “Microsoft Technology Enriched Instruction”, American University of Sharjah, Sharjah, UAE, November 15, 2014.
- ❑ The 3rd Annual International Conference on Civil Engineering, Organized by Athens Institute for Education and Research, Athens, Greece, June 10-13, 2013.
- ❑ The 6th International Safety Conference, Organized by the Jordan Traffic Institute (JTI), Amman, Jordan, November 19-20, 2012.
- ❑ Workshop on “Statistical Package for Social Sciences (SPSS)”, the Academic Development Center, Jordan University of Science and Technology, Irbid, Jordan, July 08-09, 2012.
- ❑ The 5th Jordanian International Civil Engineering Conference (JICEC), Jordan Engineers Association (JEA), Amman, Jordan, January 17-19, 2012.
- ❑ The 6th International Structural Engineering and Construction (ISEC) Conference, Zurich, Switzerland, June 21-26, 2011.
- ❑ Workshop on “Testing and Evaluation”, the Academic Development Center, Jordan University of Science and Technology, Irbid, Jordan, April 28-29, 2010.
- ❑ Roads Evaluation and Maintenance (REM) Workshop, Amman, Jordan, April 12th of 2010.
- ❑ The 4th Conference on Scientific Research in Jordan (CSRJ), “Evaluation of the Effect of Heavy Vehicular Axle Loads on the Functional Behavior, Ride Quality, and Hence Safety of Highway Pavements in Jordan,” Amman, Jordan, November 7, 2009.
- ❑ Traffic Committee Technical Meetings, Irbid Governorate and the Traffic Department of Irbid Municipality, 2009.
- ❑ Traffic Safety Day, Organized by the Jordan Engineers Association (JEA), Irbid, Jordan, June 10, 2008.
- ❑ The 10th International Conference on Applications of Advanced Technologies in Transportation (AATT), Athens, Greece, May 28-30, 2008.
- ❑ The 5th International Safety Conference on “Road and Traffic Safety Strategies,” Organized by the Jordan Traffic Institute (JTI), Amman, Jordan, April 22-24, 2008.
- ❑ Workshop on “The Use of Basalt Aggregate in Hot-Mix Asphalt (HMA) Mixes,” Municipality of Greater Amman, Jordan, May 21, 2007.
- ❑ The 3rd Jordan International Transportation Conference, Amman, Jordan on March 26-28, 2007.
- ❑ Reflective Crack Relief Workshop, Allentown, PA, USA, September 20, 2005.
- ❑ Superpave Asphalt Mixture Design Workshop at Turner-Fairbank Highway Research Center (TFHRC) in McLean, VA, USA, April 27, 2005.
- ❑ Technical Work Group (TWG) Meeting of the FHWA’s Accelerated Loading Facility (ALF) Pooled Fund Study sponsored by the State DOTs at TFHRC in McLean, VA, USA:
 - Annual Meeting, June 2005.
 - Annual Meeting, February 2004.
 - Annual Meeting, February 2003.
 - Annual Meeting, February 2002.
- ❑ Course on Advanced Material Modeling at TFHRC, McLean, VA, USA, June 2003.
- ❑ Course on Statistics and Its Applications in Engineering Research at TFHRC, McLean, VA, USA, June-July, 2001.
- ❑ Association of Asphalt Paving Technologists (AAPT) Technical Meeting:
 - Annual Meeting in Baton Rouge, LA, USA, March 8-10, 2004.
 - Annual Meeting in Chicago, IL, USA, March 8-10, 1999.
- ❑ Transportation Research Board (TRB) Conference, Washington, D.C., USA:
 - 85th Annual Meeting, January 2006.
 - 84th Annual Meeting, January 2005.
 - 83rd Annual Meeting, January 2004.
 - 82nd Annual Meeting, January 2003.

- 81st Annual Meeting, January 2002.
- 80th Annual Meeting, January 2001.
- 79th Annual Meeting, January 2000.
- 78th Annual Meeting, January 1999.
- 77th Annual Meeting, January 1998.
- Illinois Bituminous Paving Conference conducted by the University of Illinois at Urbana-Champaign, Urbana, IL, USA:
 - 40th Annual Meeting, December 1999.
 - 39th Annual Meeting, December 1998.
 - 38th Annual Meeting, December 1997.
- Transportation and Highway Engineering (THE) Conference conducted by the University of Illinois at Urbana-Champaign, Urbana, IL, USA:
 - 85th Annual Meeting, February 1998.
 - 84th Annual Meeting, February 1997.
 - 83rd Annual Meeting, February 1996.
- Illinois Traffic Engineering and Safety Conference conducted by the University of Illinois at Urbana-Champaign, Urbana, IL, USA:
 - 45th Annual Meeting, October 1996.

AMRL Accreditation for TFHRC Bituminous Mixtures and Binders Rheology Laboratories:

- Manager of Inspection and Testing Services certified by the AASHTO Materials Reference Laboratory (AMRL) Accreditation and Assessment for the Bituminous Mixtures Laboratory (BML) and the Binders Rheology laboratory (BRL) at TFHRC of the FHWA in McLean, VA, USA, April 2004.
- Established a Quality System for the BML and the BRL at TFHRC: The establishment involves activities associated with the development of policies, standard testing procedures and methods, standard equipment calibration and verification forms, operational activities, organizational structure, personnel qualifications and expertise, charts, listings and test record maintenance plans designed to achieve quality objectives, 11/2000-04/2004.
- Implemented the Quality System in these two laboratories. The implementation involves actions taken by laboratory staff including technicians, engineers, and managers in order to comply with established quality system policies and standards, standard testing procedures, maintenance requirements for standard equipment calibration and verification, and test record keeping requirements.
- Prepared Quality System Manuals for the BML and the BRL at TFHRC: The manual preparation is done in accordance with the criteria and guidelines in the AASHTO Practice R18 “Establishing and Implementing a Quality System for Construction Materials Testing Laboratories.” These manuals have to comply with the requirements of the AASHTO Practice R18, April 2004.
- AMRL Accreditation / Certification: It provides evaluation of lab performance and competency, promotes improvements in laboratory testing capabilities, and implants confidence in laboratory services and activities.
- Maintaining the AMRL Accreditation Documents and Records: Constantly maintained the quality system manuals, equipment calibration and verification, internal quality system evaluation, criteria compliance document (CCD), and training records for laboratory technicians according to the AASHTO Practice R18 as part of the AMRL accreditation and assessment.

University Services:

University of Sharjah

Community Level

- ❑ Chair of Judging Committee, Session on Civil Engineering, the 5th UAE Undergraduate Research Competition, Abu Dhabi University, Abu Dhabi, UAE, May 08, 2017.
- ❑ Lecturer, “Innovations in Civil Engineering,” University of Sharjah, in the *UAE Innovation Week* (November 22-28, 2015), Sharjah, UAE, November 25th, 2015.

College Level

- ❑ Chair, Faculty Social Affairs Committee (September 01, 2017-present)

Department Level

- ❑ Chair, Senior Design Project Committee (September 01, 2017-present)
- ❑ Member, Scientific Research Committee (September 01, 2017-present)

Jordan University of Science and Technology

Community Level

- ❑ Technical Committee Member for Road Master Plan in Jordan, European Investment Grant, MPWH, Amman, Jordan, 2010.
- ❑ Member, Asphalt and Roads Technical Committee, MPWH, Amman, Jordan, 2010.
- ❑ Head, Superpave Technical Committee, MPWH, Amman, Jordan, 2010.
- ❑ Member (JUST Representative), Traffic Technical Committee for Irbid City, Irbid Governorate and the Traffic Department of Irbid Municipality, Irbid, Jordan, 2009.

University Level

- ❑ Member, Administrative Development Committee, JUST, Irbid, Jordan (01/2014-09/2014).
- ❑ College of Engineering Representative, Graduate Studies Committee, JUST, Irbid, Jordan (9/2013-09/2014).
- ❑ Head, Permanent Technical Committee, Traffic Safety and Regulation Committee, JUST, Irbid, Jordan.
- ❑ Member, Technical Committee, “University Main Entrance and Traffic Inside the University Campus”, JUST, Irbid, Jordan.
- ❑ Member, Technical Committee, “Road Safety Studies for the Traffic System Inside the University Campus”, JUST, Irbid, Jordan.
- ❑ Member, Technical Committee, “University Parking Studies”, JUST, Irbid, Jordan.
- ❑ Member, Students Discipline Committee, JUST, Irbid, Jordan.
- ❑ Member, Central Tenders Committee, JUST, Irbid, Jordan (09/2009-09/ 2010).

College Level

- ❑ Member in the Scientific Research Committee, 09/2012-09/2013.

- ❑ Member in the Graduate Studies Committee, 09/2013-09/2014.
- ❑ Head, Engineering Training Committee, 09/2012-09/2013.

Department Level

- ❑ Member in the Scientific Research Committee (several times during my service years 09/2006-09/2014).
 - ❑ Member in the Library Committee.
 - ❑ Member in the Tenders Committee (several times during my service years 09/2006-09/2014).
 - ❑ Member in the Committee of Seminars and Community Service.
 - ❑ Member in the Graduate Studies Committee (several times during my service years 09/2006-09/2014).
 - ❑ Member in Other Committees.
-

Personal Information:

- ❑ Date of Birth: April 4th, 1969.
 - ❑ Marital Status: Married with four kids.
 - ❑ Residency: US permanent resident.
-

References:

- ❑ William G. Buttlar
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Cell: 410-215-2762
Website: www.fhwa.dot.gov/resourcecenter

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