

Imad L. Al-Qadi, PhD, PE, Dist.M.ASCE

Professor Imad Al-Qadi is Founder Professor of Engineering and Director of the Advanced Transportation Research and Engineering Laboratory (ATREL) and the Illinois Center for Transportation (ICT) at the University of Illinois at Urbana-Champaign. He served as an instructor and research engineer at Penn State University from 1988 to 1990. He was a member of the faculty of Charles E. Via Jr. Department of Civil and Environmental Engineering at Virginia Tech from 1990 to 2004. By 1998, he had been promoted to full professor, and by 2002, he was named the Charles E. Via Jr. Professor of Civil and Environmental Engineering. Professor Al-Qadi holds a B.S. (1984) from Yarmouk University and M.Eng. (1986) and Ph.D. (1990) degrees from Penn State University, all in civil engineering.

A registered professional engineer, Professor Al-Qadi is an elected Distinguished Member of the American Society of Civil Engineers (ASCE), Chapter Honor Member of Chi Epsilon, the Civil Engineering Honor Society, honorary member of the Societa Italiana Infrastrutture Viarie, Emeritus Member of TRB Committee AHD25 on Sealants and Fillers for Joints and Cracks, and an honorary professor at Southeast University (Nanjing), Chang 'AN University (Xian) and Tongji University (Shanghai) University, China, Aston University (UK), and KTH Royal Institute of Technology in Stockholm, Sweden. He is the Editor-in-Chief of the International Journal of Pavement Engineering, Associate Editor of the Research in Nondestructive Evaluation Journal, past Regional Editor of the Construction and Building Materials Journal, Guest Editor of ASNT Materials special edition on Nondestructive Evaluation of Pavements, and he serves on the editorial boards of other journals. Professor Al-Qadi is the only pavement engineer to ever receive the National Science Foundation Young Investigator Award (1994) and the Quadrennial International Geosynthetic Society Award (2002). He received numerous prestigious awards including the ASCE James Laurie Prize (2007), the 2013 ARTBA S.S. Steinberg Award, the 2014 ASCE Turner Award, the TRR of the National Academies D. Grant Mickle Award (2006), Limoges Medal of Merit (2004), the STS Research Award (1993), Virginia Tech College of Engineering Dean's Award for Research Excellence (2001), ASCE Outstanding Instructor Award (2006), the Illinois Center for Transportation Research Award (2012, 2015), Engineering Council Award for Excellence in Advising (2010), as well as several best paper awards. His achievements were profiled in the TRNews of the National Academies in November-December 2006 issue.

Professor Al-Qadi is the Past President of the Board of Governors of the ASCE Transportation and Development Institute. He is also the Group Leader of ISAP Technical Committee on Interlayer Systems; member of State Transportation Innovation Leadership Team-Illinois; served as a member of USDOT Truck Size and Weight Study National Committee; and past member of TRB Operation and Maintenance Group. He is the past chair of TRB Preservation and Maintenance Section, TRB Subcommittee on Interlayer Systems to Control Reflective Cracking (founder), TRB Committee AHD25 on Sealants and Fillers for Joints and Cracks, TRB Subcommittee AFS70-2 on Geosynthetics in Flexible Pavement Systems, ASCE Highway Pavement Committee, and ASCE Design, Construction, and Maintenance Executive Council. Professor Al-Qadi served as chair/co-chair of many international conferences including the 5th, 6th, and 7th RILEM International Conference on Pavement Cracking; 2006 International NDE Conference on Civil Engineering; Advanced Characterization of Pavement and Soil Engineering Materials; 2006, 2010, and 2013, 2017 International Airfield and Highway Pavement Conferences; and the First ASCE Transportation and Development Institute Congress. Professor Al-Qadi is a member of Transportation Research Board (TRB), Association of Asphalt Paving Technologists (AAPT), North American Geosynthetic Society (NAGS), International Society of Asphalt Pavements (ISAP), International Geosynthetic Society (IGS), American Society of Nondestructive Testing (ASNT), International Association of

Computer Methods and Advances in Geomechanics (IACMAG), and American Society for Testing and Materials (ASTM).

Professor Al-Qadi authored/coauthored more than 600 publications, more than 300 of which are fully-refereed papers (more than 230 in periodic journals). His research resulted in the development of new tests, testing specifications, advanced modeling and simulation of pavement loading and crack development, and analysis of radar electromagnetic wave interactions with civil engineering materials, roads and bridges. He has served as principal investigator of more than 110 projects sponsored by various federal, state, and international agencies and industry and has managed more than 200 projects sponsored by ICT. Professor Al-Qadi has consulted for numerous federal, state, and major public agencies in the U.S. and abroad, including FHWA, BP Amoco, Michelin, Bekaert, Maccaferri, DMJM+HARRIS, ARAMCO, and Koch.

Professor Al-Qadi's teaching, research, and consulting interests and expertise focus primarily on civil engineering and pavement materials, sustainability, highway and airfield pavement mechanics, sustainability and advanced modeling including viscoelastic response to tire loading, pavement fracture, tire-pavement interaction, and modeling of pavement interface and interlayer systems (including geosynthetics); nondestructive testing evaluation including ground penetrating radar signal analysis; infrastructure asset management systems including pavement recycling optimization and pavement condition assessment, rehabilitation, and life cycle assessment; transportation infrastructure instrumentation and full-scale accelerated testing; polymerized asphalt rheology; and forensic engineering and arbitration.