

Hussain U. Bahia, Ph.D.
Professor, University of Wisconsin, Madison, and
Technical Director of the Wisconsin Highway Research Program

- Dr. Bahia graduated from the University of Baghdad where he completed his B.S. in Civil Engineering in 1977, and his M.S. in Structural Engineering in 1980.
- In 1986 he started his studies in the USA at Georgia Tech. He completed his Ph.D. at Penn State University in 1991 and continued as a research associate and lecturer until 1994.
- He joined the faculty at the University of Wisconsin in 1996 after serving at the Asphalt Institute as the Director of Research and Engineering Services.
- He teaches and conducts research on pavement materials and design, particularly on modified asphalts, emulsions and mixtures. He has completed more than 60 research projects in the field of asphalts valued at more than \$US 10 Million during the last 15 years
- He has Published 67 papers in refereed journals, 24 papers in refereed proceedings, and contributed 30 papers at non-refereed conferences published in whole or by abstract. He has co-authored 65 technical reports and working papers for project sponsors.
- He has served as the advisor for 55 graduate students, 45 have already earned their degrees. He has also mentored 8 post doctoral fellows and post graduate research interns. His research publications, with his students, have been recognized in many conferences such as the 5 times citation as the runner-up best paper at AAPT annual conference and 2 times citation as the Best Technical Presentation at CTAA annual conference.
- He has been invited to give lectures at 60 regional, national or international conferences.
- Some of his notable research activities include his service as a researcher for the SHRP (Strategic Highway Research Program) from 1989 to 1993; as the Principal Investigator for the NCHRP 9-10 project on modified asphalts; and the NCHRP project 9-45 on mineral fillers. He is one of the Principal Investigators of the Asphalt Research Consortium (ARC).
- He has served as a member of the Asphalt Binder Expert Task Group (ETG) of the Federal Highway Administration from 1993 to 2006. He also served as the chair of the ASCE Bituminous Materials Committee; and served as a member of TRB committees AFK20, AFK30, and AFK40. He also served as a director at large for AAPT board in 2007-2008
- He is one of the Editors In Chief of the International Journal of Road Materials and Pavement Design,
- He is named on three bitumen testing equipment patents: the bending beam rheometer (U.S. Patent No. 5,187,987), the Laboratory Asphalt Stability Test (U.S. Patent p98221US), and Apparatus and method for testing asphalt material performance (U.S. Patent No. 6,694,823).
- He has provided, and is currently providing, consulting services for a number of companies in the US, South America, Africa, and the Middle-east.

3350 Engr. Hall, 1415 Engr. Dr.
UW-Madison, WI, 53706
608-265-4481,
www.UWMARC.org
[Bahia@engr.wisc.edu](mailto: Bahia@engr.wisc.edu),

