

**Louay N. Mohammad, Ph.D.**, is a professor of Civil Engineering (CE) and holder of the Irma-Louise Rush Stewart Distinguished Professorship at Louisiana State University (LSU). He is also the director of the Engineering Materials Characterization Research Facility at the Louisiana Transportation Research Center (LTRC). He teaches and conducts research in the areas of Highway Construction Materials, Pavement Engineering, Accelerated Pavement Testing, Materials Characterization and Modeling, and Infrastructure Sustainability.

Dr. Mohammad earned a reputation of excellence in his teaching of transportation engineering courses at the undergraduate and graduate levels. He has graduated several Ph.D. and M.S. students. But his interest in students is not limited to those at the masters and the Ph.D. level. Not only is he interested in the classroom and laboratory learning process for undergraduate students, but also he actively pursues opportunities for undergraduate students to obtain work experience in transportation engineering. For several years he has recruited undergraduate students to work in his laboratory as student workers. Other undergraduate students have worked under his guidance and mentorship on formal undergraduate projects. He has developed a relationship with industry groups in the transportation area and has been encouraging industry to donate. Notable among his notable achievements in the CE department is the development of the Asphalt Technology Scholarships through the support of industry. These scholarships have been extremely popular among students. Over 80 scholarships have been awarded since 1994. In fact, this Scholarship program was recently featured in a national article titled "Scholarships Fuel Interest in Asphalt – Louisiana a Model for States" published by the National Asphalt Pavement Association.

Soon after he was appointed to the faculty in 1991 he had an instrumental role in establishing a graduate Transportation Engineering specialty program in the Civil and Environmental Engineering Department. Dr. Mohammad was a key person in the graduate transportation engineering area as he made major contributions to the pavements materials area, including asphalt testing. The Transportation Engineering specialty is among the most popular and productive specialty programs in the Civil and Environmental Engineering Department. Its courses are popular with undergraduate Civil Engineering students and many seek employment in the Transportation Engineering area after they graduate. Dr. Mohammad has also initiated new research interest in the area of pavement engineering, infrastructure sustainability asphalt technology and transportation materials characterization. He aggressively pursued funding from federal, state, and private industry to establish and maintain a state-of-the-art fundamental materials characterization laboratory which is used by graduate and undergraduate students.

Dr. Mohammad is a well recognized individual both nationally and internationally. This is demonstrated through the invited and key note speeches made at several state, national, and international conferences and seminars. He has worked with faculty from a variety of disciplines at LSU and other universities as well as industry personnel to form research teams and provide a leadership role in securing funds from the Federal Highway Administration, National Cooperative Highway Research Program, NSF, Louisiana Department of Transportation and Development, and

LEQSF (Louisiana Education Quality Support Funds). Dr. Mohammad has been an extremely productive member of our department. He has published over 150 technical papers in the peer-reviewed literature in his area in addition to the numerous published technical reports. He is currently the principle investigator for NCHRP Project 9-40 on the Optimization of Tack Coat for HMA Placement and NCHRP Project 9-48 on Field versus Laboratory Volumetrics and Mechanical Properties.

Dr. Mohammad has been very active in university, state and national service activities. He has provided critical leadership role at committees in the CEE department, college of engineering and the university. Dr. Mohammad chaired the faculty senate committee on Financial Aid and Scholarships and the Committee on Committees. Dr. Mohammad has developed and sustained an active rapport with industry leaders, the Federal Highway Administration, Transportation Research Board, American Society of Testing Materials, Louisiana Asphalt Pavement Association, and Louisiana Department of Transportation and Development. Based on his outstanding efforts, Dr. Mohammad has been recognized in 2002 with the Association of Asphalt Paving Technologists Board of Directors Award of Recognition, the 2005 Achievement Award of the Civil Engineering Department at LSU for his excellence in teaching and research, and the 2009 Asphalt Rubber Ambassador Award.

Dr. Mohammad also served in a leadership role in professional organizations, including the American Society of Civil Engineers, American Society of Testing Materials, and the National Academic of Science Transportation Research Board. He is a Chair of the National Academic of Science Transportation Research Board Committee AFK 40 on Characteristics of Bituminous-Aggregate Combinations to Meet Surface Requirements; Chair of the ASTM Committee D 4.25 on the Analysis of Bituminous Mixtures; and associate editor of the ASCE Journal of Materials in Civil Engineering, Journal of Engineering Research, and International Journal of Pavement Research and Technology.

Dr. Mohammad is the He is a member of AAPT, ASCE, and ASTM; board member of the Southeastern Asphalt User Producer Group from 2003-2006; and served on the Louisiana Department of Transportation and Development (LADOTD) Committee on Training of Superpave Technology. He is currently a member of the LADOTD Asphaltic Concrete Specification Committee.