

Kumares Sinha, Ph.D., P.E., NAE (H)

Olson Distinguished Professor of Civil Engineering, Purdue University

Kumares Sinha's long and sustained service to the transportation industry has taken him across the globe, and has had profound impact as a mentor on ITE members from students all the way up to leaders at the International level. Dr. Sinha serves as the Edgar B. & Hedwig M. Olson Distinguished Professor of Civil Engineering at Purdue University. He was the Head of Transportation and Infrastructure Systems Area from 1981-2001 and Director of the Joint Transportation Research Program of Purdue University and Indiana Department of Transportation from 1995-2010. For more than 5 decades, his research has covered an enormity of areas, from highway engineering, traffic operations and safety analysis to land use-transportation system modelling, transportation financing, civil infrastructure management, and applications of emerging technologies in transportation. He has developed and taught a wide variety of transportation courses, including traffic engineering, public transportation, infrastructure planning and management, and intelligent transportation systems.

Dr. Sinha's work in the industry does not know borders, and his interest in transportation began as a college student at Jadavpur University in India when he contemplated the challenge of building roads in areas with alluvial soils and rivers prone to frequent flooding. With an undergraduate degree in Civil Engineering, post-graduate studies in Town Planning and Municipal Engineering, and doctoral work in Transportation Engineering to inform physical infrastructure development, he has taken this intrigue with planning and engineering throughout his career. In the mid-1980s, Dr. Sinha became involved with the World Bank when he was invited to develop a resource base for considering environmental and ecological impacts of land transportation. Since then, he has served as a Transportation Systems consultant for more than 30 different World Bank projects in places including Bangladesh, Nepal, Palestine, China, India, Iran, and Yemen.

Dr. Sinha has been dedicated to the profession and influential with many organizations, including ITE. He served on the Executive Committee of the Transportation Research Board and is currently on the editorial boards of five professional journals, including the *Journal of Transportation Engineering* as Editor-in-Chief Emeritus. Professor Sinha was Advisor to Purdue University's ITE Student Chapter in the 1970s. While he is no longer the advisor, he continues to stay active supporting this successful chapter and its students including holding regular seminars. Dr. Sinha has supervised more than 50 Ph.D. candidates, 30 post-doctoral scholars, and hundreds of graduate and undergraduate students. Notable ITE members who were students under Professor Sinha include ITE Honorary Member **Ken Voigt, P.E. (H)** and ITE International President **John Davis, P.E., PTOE, TSOS, RSP1 (F)**.



Recent Positions

Eminent Scholar in Residence and Fellow, Hagler Institute for Advanced Studies, Texas A&M University, 2016-2017
Lockheed Martin Guest Professor of Engineering and Computer Science, University of Central Florida, 2016-2017
Visiting Professor, Civil Engineering, MIT, Fall 1980 and University of Roorkee, India, Spring 1981
Honorary Guest Professor at six universities in China, 2001-2023

Memberships and Appointments

Member, Pan American Academy of Engineering, 2020
National Associate of the U.S. National Academics of Sciences, Engineering and Medicine, Lifetime Appointment, 2004
Fellow, Connecticut Academy of Distinguished Engineers, University of Connecticut, 2004
President, ASCE Transportation and Development Institute, 2003-2004

Honors and Awards

American Society of Civil Engineers (ASCE) OPAL Award for Education, 2023
Distinguished University Alumnus of Jadavpur University, India, 2017
Inaugural Lifetime Achievement Award from the International Society for Maintenance and Rehabilitation of Transport Infrastructures, 2016
ASCE James Laurie Prize, 2011
Transportation Research Board Roy W. Crum Award, 2009
Council of University Transportation Centers Award for Distinguished Contribution to University Transportation Education and Research, 2005
ASCE Honorary Membership Award, 2005
ITE Wilbur S. Smith Distinguished Transportation Educator Award, 2002
Steinberg Award, ARTBA, 2000
ASCE Turner Lecture Award, 2001
Engineering Alumni Award, University of Connecticut, 1995
ASCE Frank Masters Award, 1986