

Short Biosketch of DAN M. FRANGOPOL

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Dr. Dan M. Frangopol is the first holder of the Fazlur R. Khan Endowed Chair of Structural Engineering and Architecture at Lehigh University. Before joining Lehigh University in 2006, he was Professor of Civil Engineering at the University of Colorado at Boulder, where he is now Professor Emeritus. From 1979-1983, he held the position of Project Structural Engineer with A. Lipski Consulting Engineers in Brussels, Belgium. In 1976, he received his doctorate in Applied Sciences from the University of Liège, Belgium.

Dr. Frangopol's main research interests are in the application of probabilistic concepts and methods to civil and marine engineering including structural reliability, probability-based design and optimization of buildings, bridges and naval ships, structural health monitoring, life-cycle performance maintenance and management of structures and infrastructures under uncertainty, risk-based assessment and decision making, infrastructure resilience to disasters, and stochastic mechanics. According to ASCE (2010) "*Dan M. Frangopol is a preeminent authority in bridge safety and maintenance management, structural system reliability, and life-cycle civil engineering. His contributions have defined much of the practice around design specifications, management methods, and optimization approaches. From the maintenance of deteriorated structures and the development of system redundancy factors to assessing the performance of long-span structures, Dr. Frangopol's research has not only saved time and money, but very likely also saved lives.*"

Dr. Frangopol is an experienced researcher and consultant to industry and government agencies, both nationally and abroad. His work has been funded by NSF, FHWA, ONR, NASA, USACE, AFOSR and by numerous other agencies including the U.K. Highways Agency and the Dutch Ministry of Infrastructure and Environment.

Dr. Frangopol holds two honorary doctorates (Doctor Honoris Causa) from the Technical University of Civil Engineering in Bucharest, Romania, and the University of Liège, Belgium. He is an Honorary Professor of Tongji, Southeast, and Tianjin Universities, and a Visiting Chair Professor at the National Taiwan University of Science and Technology. Dr. Frangopol is a Distinguished Member of ASCE, Fellow of ACI, IABSE, and ISHMII, Honorary Member of the Romanian Academy of Technical Sciences, and Honorary Member of the Portuguese Association for Bridge Maintenance and Safety.

Dr. Frangopol is the Founding President of the International Association for Bridge Maintenance and Safety (IABMAS) and of the International Association for Life Cycle Civil Engineering (IALCCE). He is also the founder of the recently created ASCE-SEI Technical Council on life-cycle performance, safety, reliability and risk of structural systems. He has held numerous leadership positions in national and international professional societies.

Dr. Frangopol is the recipient of several national and international awards including Nathan M. Newmark Medal (from ASCE); J. James R. Croes Medal (from ASCE); T.Y. Lin Medal (from T.Y. LIN International); Ernest Howard Award (from ASCE); Moisseiff Award (from ASCE); State-of-the-Art of Civil Engineering Award (twice from ASCE); Munro Prize (from ELSEVIER); Research Award (from KAJIMA); Research Prize (from IASSAR); OPAC Award (from IABSE); and Distinguished Probabilistic Methods Educator Award (from SAE).

Dr. Frangopol is the Founding Editor of *Structure and Infrastructure Engineering* an international peer-reviewed journal, included in the Science Citation Index, and serves on eight other editorial boards. He is also the Founding Editor of the Book Series *Structures and Infrastructures*. Dr. Frangopol is the author or co-author of approximately 300 books, book chapters, and archival journal articles, and more than 500 papers in conference proceedings. He has edited or co-edited 34 books.

Dr. Frangopol has supervised the dissertations of 34 Ph.D. students (six under current supervision) and the theses and reports of 50 M.S. students. Many of his former students are university professors in the United States and abroad, and several are prominent in professional practice and research laboratories.