

## Biosketch of DAN M. FRANGOPOL

Fazlur Rahman Khan Endowed Chair of Structural Engineering and Architecture  
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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, Bethlehem, Pennsylvania. Before joining Lehigh University in 2006, he was Professor of Civil Engineering at the University of Colorado at Boulder. In 1976, he received his doctorate in Applied Sciences from the University of Liège, Belgium, and 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 University, and is a Visiting Chair Professor at the National Taiwan University of Science and Technology. He is a Fellow of ASCE, 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.

Before joining the University of Colorado in 1983, he worked for four years in structural design with A. Lipski Consulting Engineers in Brussels, Belgium. He is an experienced researcher and consultant to industry and government agencies, both nationally and abroad. His main areas of expertise are probabilistic methods and structural reliability, structural health monitoring, lifetime probabilistic optimization of structures and infrastructures, bridge engineering, and life-cycle analysis, design, maintenance, and management of structures and infrastructures.

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](#)), and Past Director of the Consortium on Advanced Life Cycle Engineering for Sustainable Civil Environments (COALESCE). He is also the Chair of the Executive Board of the International Association for Structural Safety and Reliability ([IASSAR](#)) and the Vice-President of the International Society for Health Monitoring of Intelligent Infrastructures ([ISHMII](#)). For [ASCE](#) he has chaired the Executive and Awards Committees of the Structural Engineering Institute, Technical Activities Division, the Technical Committees on Safety of Buildings, Safety of Bridges, and Optimal Structural Design, the Technical Administrative Committee on Structural Safety and Reliability, and is the current founder and chair of the [Technical Council on Life-Cycle Performance, Safety, Reliability and Risk of Structural Systems](#). For [IABSE](#) he has chaired the Working Commission 1 on Structural Performance, Safety and Analysis. He is Past Board Member of the Joint Committee on Structural Safety ([JCSS](#)), and Past-Chair of the International Federation for Information Processing ([IFIP](#)) Working Group on Reliability and Optimization of Structural Systems.

Frangopol is the recipient of several prestigious awards including the 2009 ISHMII Fellowship Award, the 2008 IALCCE Award, the 2008 Royal Academy of Engineering Distinguished Visiting Fellowship Award, the 2007 ASCE Ernest Howard Award, the 2006 IABSE OPAC Award, the 2006 ELSEVIER Munro Prize, the 2006 T. Y. Lin Medal, the 2005 ASCE Nathan M. Newmark Medal, the 2004 Kajima Research Award, the 2003 ASCE Moisseiff Award, the 2002 JSPS Fellowship Award for Research in Japan, the 2001 ASCE J. James R. Croes Medal, the 2001 Research Prize of the International Association for Structural Safety and Reliability (IASSAR), the 1998 and 2004 ASCE State-of-the-Art of Civil Engineering Award, and the 1996 Distinguished Probabilistic Methods Educator Award of the Society of Automotive Engineers (SAE). Among several awards he has received at the University of Colorado, Frangopol is the recipient of the 2004 Boulder Faculty Assembly Excellence in Research,

Scholarly and Creative Work Award and the 1999 College of Engineering and Applied Science's Research Award.

Frangopol is the Founding Editor of [\*Structure and Infrastructure Engineering\*](#) an international peer-reviewed journal, included in the Science Citation Index, dedicated to recent advances in maintenance, management and life-cycle performance of a wide range of structures and infrastructures. The impact factor of this journal in 2008 places it at 20 out of 91 on "Engineering, Civil" and 33 out of 105 in "Engineering, Mechanical" in the Science Citation Index Expanded. He is also the Founding Editor of the Book Series *Structures and Infrastructures* (CRC Press, Taylor & Francis Group, Balkema). The aim of this Book Series is to present research, developments, and applications written by experts on the most advances technologies for analyzing, predicting and optimizing the performance of structures and infrastructures.

Frangopol is the author or co-author of more than 500 refereed publications, including books, book chapters, journal articles (more than 60 published in ASCE Journals), and papers in conference proceedings. Frangopol is also the editor or co-editor of 30 books published by ASCE (eight books), Balkema, CIMNE, CRC Press, Elsevier, McGraw-Hill, and Thomas Telford and editorial board member of several international journals. including *Bridge Engineering, Computers & Structures, Construction and Building Materials, Engineering Structures, Probabilistic Engineering Mechanics, Reliability Engineering & System Safety, and Structural Safety*. Additionally, he has chaired and organized several national and international structural engineering conferences and workshops. He has given plenary and keynote lectures in numerous major conferences held in Asia, Australia, Europe and North America.

Frangopol has performed research and served as a consultant in many major projects sponsored by the National Science Foundation, the Federal Highway Administration, the Colorado, Florida and Pennsylvania Departments of Transportation, the Ontario Ministry of Transportation, the Transportation Research Board, the U.S. Air Force Office of Scientific Research, the U.S. Office of Naval Research, the U.S. Army Corps of Engineers, the U.S. Department of the Interior, the U.S. Department of Defense, the Applied Technology Council, the Pennsylvania Infrastructure Technology Alliance, the U.K. Highways Agency, the North Atlantic Treaty Organization, and the Japan Ministry of Education. Also, he received research funding from ArcelorMittal, the Tokyo Electric Power Company, the Japan Institute of Systems Research, the Dutch Ministry of Transport, Public Works and Water Management, the Korean Ministry of Construction and Transportation, the U.S.-Spain Joint Committee for Scientific and Technological Cooperation, the Parson Transportation Group, the American Society of Civil Engineers, the Georgia Institute of Technology, and the University of Colorado.

Frangopol has supervised 80 Ph.D. and 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. He also served as External Member of PhD Thesis Committees at major universities in Austria, Australia, Canada, Denmark, England, France, India, the Netherlands, Portugal, Spain, Sweden, Switzerland, and the United States.

For additional information on Frangopol's activities please visit <http://www.lehigh.edu/~dmf206/>

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