

NEWS RELEASE 13-JUN-2022

Lehigh University CEE professor Dan M. Frangopol elected into Canadian Academy of Engineering as International Fellow

Grant and Award Announcement

LEHIGH UNIVERSITY



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Dan M. Frangopol, the inaugural Fazlur R. Khan Endowed Chair of Structural Engineering and Architecture at Lehigh University, has been [elected into the Canadian Academy of Engineering \(CAE\)](#) as an International Fellow.

The academy was founded in 1987 and comprises more than 800 peer-nominated Fellows who have "made outstanding contributions to engineering in Canada and around the world" and have "demonstrated their dedication to the application of science and engineering principles to advance social, environmental, economic and technical solutions," according to [CAE's website](#).

CAE Fellows are leaders in academia, business, and government sectors and are recognized for career-long service and distinguished achievements in their fields. For the category of International Fellow, which is open to nonresidents, typically only two nominations are selected each year. In 2017, the Academy inducted its first two International Fellows. Prior to the 2022 election, there were a total of 12 International Fellows.

On June 13, 2022, CAE President Yves Beauchamp announced the election of forty-seven new Fellows, six new International Fellows, and one Honorary Fellow into the academy.

"Over the past 35 years, Fellows of the Academy have provided engineering leadership in the fields of education, infrastructure, innovation, energy, transportation, and many more," said Beauchamp in a [news release](#). "New Fellows have been selected for their outstanding contributions to engineering in Canada and around the world and for their service as role models in their fields and to their communities."

Per the citation, Frangopol was honored for "the creation, development, and application of life-cycle engineering under uncertainty—a major contribution to the knowledge base with a significant impact on civil engineering design, teaching, and practice—and world leadership and service in promoting international cooperation in the fields of safety, risk, structural health monitoring, maintenance management optimization, and life-cycle performance and cost of structures and infrastructure systems to enhance the welfare of society."

The CAE Annual Conference and Induction Ceremony will be held June 27, 2022, in Halifax, Nova Scotia.

Frangopol is generally regarded as a pioneer and a world leader in research on life-cycle performance analysis, design, and optimization of civil and marine structures under uncertainty. He is a distinguished member of the American Society of Civil Engineers and has been recognized with numerous awards and honors from ASCE and other leading professional organizations. He is the founder and editor-in-chief of *Structure and Infrastructure Engineering*, an international peer-reviewed journal launched in 2005.

He is an elected member of the National Academy of Construction of the United States, a foreign member of the Academia Europaea (Academy of Europe, London), a foreign associate of the Engineering Academy of Japan, a foreign member of the Royal Academy of Belgium for Science and the Arts, an honorary member of the Romanian Academy, and an

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More on this News Release

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KEYWORDS

STRUCTURAL ENGINEERING

TRANSPORTATION INFRASTRUCTURE

RISK ASSESSMENT

STRUCTURAL DESIGN

CIVIL ENGINEERING

BRIDGE CONSTRUCTION

BUILDING CONSTRUCTION

ORIGINAL SOURCE

<https://engineering.lehigh.edu/news/article/frangopol-elected-canadian-academy-engineering-international-fellow>

honorary member of the Academy of Technical Sciences of Romania. He holds four honorary doctorates, 14 honorary professorships, and six guest professorships.

Frangopol has authored/coauthored 4 books, 64 book chapters, over 450 articles in peer-reviewed journals, including 13 award-winning papers, and more than 600 papers in conference proceedings. He was ranked as the 10th most-cited civil engineering author in the August 2019 Stanford University worldwide citation survey published in *PloS*, and ranked No. 45 (United States), and No. 95 (World) on April 6, 2022, by Research.com on the list of top scientists in Engineering and Technology.

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 the founding vice-president of the International Society for Structural Health Monitoring of Intelligent Infrastructure ([ISHMII](#)). He is also the past vice-president of the International Association for Structural Safety and Reliability ([IASAR](#)), and past vice-president of the Engineering Mechanics Institute of ASCE and past member of its Board of Governors.

Read more about Frangopol's research and achievements [here](#).

Related Links:

- [Website: Dan M. Frangopol](#)
- [Rossin College Faculty Profile: Dan M. Frangopol](#)
- [The Canadian Academy of Engineering News: "Fifty-four new Fellows elected into the Canadian Academy of Engineering"](#)
- [Media Release: "Fifty-four new Fellows elected into the Canadian Academy of Engineering"](#)

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