

**Be seen. Be heard. Be relevant.  
Soyez-vus, Soyez entendus. Soyez pertinents.**



### **Mazdak Nik-Bakht, PhD, PEng**

**Dr. Mazdak Nik-Bakht** is an Assistant Professor of Construction Engineering & Management in the Department of Building, Civil and Environmental Engineering at Concordia University, Montreal. He is the director of [Compleccity Lab](#) and a co-director of Centre for Innovation in Construction and Infrastructure Engineering & Management - [CICIEM](#) at Gina Cody School of Engineering & Computer Science. He has a Ph.D. in Construction Engineering & Management from the University of Toronto (2015), as well as a Ph.D. in Structural Engineering from Iran University of Science and Technology (2011). Mazdak is a licensed Professional Engineer with Professional Engineers Ontario and has years of professional experience as a structural designer, structural engineering division head, and project manager in structural & infrastructure rehabilitation projects.

The main focus of Dr. Nik-Bakht's research is on big data analytics and applied Artificial Intelligence in design, construction and management of the built environment, most specifically targeting: (i) integrated design, construction, operation and deconstruction; (ii) automation of construction processes modeling and management; and (iii) quantitative decision-making analysis for construction and management of smart and resilient cities. Besides the research, he is active with curriculum development and teaching. A new course called 'Big Data Analytics for Smart City Infrastructure' to train the next generation of construction and infrastructure engineering professionals was developed by him in 2019 and has been delivered annually ever since. Mazdak is currently serving as the Chair of the Construction Division of CSCE.