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Dr. Aboelmagd Noureldin is a Professor and Tier-I Canada Research Chair (CRC) in resilient high-precision positioning and navigation at the Department of Electrical and Computer Engineering, Royal Military College of Canada (RMC), with Cross-Appointment at both the School of Computing and the Department of Electrical and Computer Engineering, Queen's University. Widely recognized as a visionary, he is the visionary founder and director of the renowned Navigation and Instrumentation (NavINST) research group at RMC. Throughout his illustrious career, Dr. Noureldin has emerged as a prominent leader in the dynamic field of inertial navigation and global navigation satellite systems (GNSS), including GPS as well as remote sensing and multisensory fusion for navigation and guidance. His pioneering work extends to cutting-edge mmWave-based 5G/6G integrated wireless positioning and low earth orbit (LEO) Satellite-based positioning, navigation and timing (PNT), empowering advancements in intelligent multi-sensor systems with a strong focus on applications related to the precise positioning and navigation of autonomous vehicles and mobile robot systems. Beyond his contributions to physical systems

Dr. Noureldin holds a Ph.D. in Electrical and Computer Engineering (2002) from the University of Calgary, Alberta, Canada. In addition, he has a B.Sc. in Electrical Engineering (1993) and an M.Sc. degree in Engineering Physics (1997), both from Cairo University, Egypt. He has developed several foundational algorithms in multisensory positioning and navigation, of which seven software libraries have been licensed to industry, resulting in new products contributing to several navigation technologies. He has published two books, four book chapters, 13 patents, 160 journal papers, and 200 conference papers, widely cited by academics and used by industry, with more than 11,000 citations and an h-index of 51.