2021 Outstanding Service Award

Dr. Jay Doering, P.Eng., FEC

Dr. John (Jay) Doering obtained a first-class honours BSc in Civil Engineering from Queen's University in Kingston, Ontario in 1984. He received a prestigious Natural Sciences and Engineering Research Council of Canada (NSERC) Centennial scholarship to pursue research in coastal hydraulics and completed his doctorate at Dalhousie University in 1988. His postdoctoral studies were completed at Environment Canada's Centre for Inland Waters in Burlington, Ontario, before beginning his academic career in 1991 in the Department of Civil Engineering at McMaster University. In 1993, Dr. Doering joined the University of Manitoba's Department of Civil Engineering, becoming the Associate Head in 1997, then Head in 2001. In 2005, Dr. Doering became the Dean of the Faculty of Graduate Studies, a position he held for 11 years. Since 2016, he has been serving as the Associate Vice-President (Partnerships) in the Office of the Vice-President (Research and International), and continues to hold a tenured position as a professor of civil engineering in water resources. He also founded the University of Manitoba's Acres Hydraulics Research and Testing Facility which continues to provide state-of-the-art research and training for students pursuing careers in hydraulics engineering.

Jay has had an exemplary research career in the field of hydraulics making contributions in the areas of frazil ice in northern waterways, turbine efficiency, channel hydraulics, stepped spillway design, and most notably in flood protection and mitigation. During this time, he has supervised 23 master's and PhD theses as well as published and presented in more than 80 refereed journals and conference papers. He has also initiated and supervised more than 30 industry-supported research projects at the University of Manitoba.

Jay has been a distinguished leader in providing expertise to government and other agencies on the development of major flood protection projects, including acting on the expert review panel for the Manitoba floodway expansion and serving on several advisory boards for the Floodway Expansion Authority. In the process, he has prepared more than 20 technical papers and reports for various government bodies and flood control agencies. He is also a recognized commentator on television and radio programs providing insights on major floods in Manitoba and throughout Canada.

Jay has been volunteering with the Association since 1999 and his valued contributions have been unique and exemplary. He was a member of the Awards Committee from 1999 to 2003 as well as the Investigation Committee from 2005 to 2019. He has served on the Association's Council for four years during two different terms, from 2002 to 2004 and more recently from 2016 to 2018. During the latter period, he was also part of the Ownership Linkage and Audit Committees.

During his career, Jay has received many awards and honours, including teaching awards from McMaster University and the University of Manitoba's Outreach Award. He has also received Early

Achievement and Technical Excellence Awards from Engineers Geoscientists Manitoba, an Rh Institute Award for Research Excellence, a Queen Elizabeth II Diamond Jubilee Award for public service, and an Outstanding Leader in Engineering Excellence Award from Queen's University. He is a Fellow of the Canadian Academy of Engineering, Engineers Canada, and the Canadian Society for Civil Engineering, and has served in executive board positions with the Canadian Society for Civil Engineering, the Canadian Water Resources Association, and the Canadian Coastal Science and Engineering Association. He chaired the Consulting Engineers of Manitoba Awards Committee from 2004 to 2009, has been a Warden of Camp 8 since 1998, and served as senior supervising engineer from 2011 to 2013.

In recognition of his significant commitment to the Association, the profession, and the public, Engineers Geoscientists Manitoba is pleased to present the 2021 Outstanding Service Award to Dr. Jay Doering, P.Eng., FEC.