

Association of Professional Engineers and Geoscientists  
of the  
Province of Manitoba

# Early Achievement Award

presented to

**John (Jay) R. C. Doering**

B.Sc. (Civil Eng.), Ph.D., P.Eng.

*Dr. Jay Doering received his First-Class Honours, Bachelor of Science degree in Civil Engineering from Queen's University at Kingston in 1984. Upon graduation, Jay was awarded a prestigious 1967 Natural Sciences and Engineering Council (NSERC) of Canada Scholarship to pursue doctoral studies. He received his Doctor of Philosophy degree in Physical Oceanography in 1988 from Dalhousie University. In 1988, Jay received a Visiting Fellowship from the Canada Centre for Inland Waters (CCIW) in Burlington, Ontario, for postdoctoral studies. It was during his two years at CCIW where Jay's interest in experimental laboratory hydraulics first started. He began his practical engineering experience in 1991, following his post-doctoral study, when he established his own firm, Doering Engineering.*

*Jay began his academic career as a faculty member in 1991 at McMaster University, in Hamilton, Ontario, as an Assistant Professor of Civil Engineering and Engineering Mechanics, where he taught undergraduate and graduate courses in Water Resources Engineering. In 1993, Jay joined the Department of Civil and Geological Engineering at the University of Manitoba, where he is currently an Associate Professor and the Associate Department Head. Jay's pursuit of excellence in engineering education has won him two undergraduate teaching awards. He has developed nine courses and is actively involved in University service, including engineering student council.*

*A few of Jay's research accomplishments warrant mention. Jay is the 1998 recipient of the Rh Award for Outstanding Contributions to Scholarship and Research in the Applied Sciences. Jay has attracted over a million dollars in research support since coming to the University of Manitoba. He established the Hydraulics Research & Testing Facility (HRTF) to which he recently added an ice research laboratory. Jay has developed innovative applications of acoustic technology for sediment transport research and the performance testing of low-head turbines. He has developed strong linkages with industry and is a member of EASIAP.*

*Jay has authored and co-authored more than 40 technical papers in refereed journals, conference proceedings, and technical reports, and has presented papers at national and international conferences. He has co-organized national and international conferences and has been the editor of conference proceedings.*

*Jay's expertise in hydraulics has also become well known locally. He has provided expert opinions to the City's largest law firms, the City of Winnipeg Ombudsman, and local engineering consultants. Jay is perhaps best known for his involvement with The Task Force that advised the Manitoba Department of Water Resources during the Red River flood of 1997. It was during the 1997 flood that Jay became a familiar media figure on TV, the radio, and in the newspapers.*

*Jay has also developed a noteworthy international reputation. In 1998, he was asked by the United Nations, Geneva, to undertake a one-month mission to Yemen to develop "The Preparation Of A Plan Of Operation For Carrying Out A Study On Flood Emergency Preparedness And Mitigation Programme".*

*Jay is an active member of the water resources community. He is the current President and former Vice President of the Manitoba branch of the Canadian Water Resources Association (CWRA). Jay is a national director of CWRA and of the Canadian Coastal Science and Engineering Association (CCSEA). Jay's commitment to the "Ritual Of The Calling Of An Engineer" led to his recent appointment as an Alternate Warden of Camp 8 of the Iron Ring Ceremony.*

*In awarding the Early Achievement Award to Dr. Jay Doering, the Association acknowledges his significant contributions to the engineering profession and the community in the early stages of a promising career.*

March 3, 1999