

Association of Professional Engineers and Geoscientists
of the
Province of Manitoba

Early Achievement Award

presented to

ROBIN L. HUTCHINSON
B.Sc.(Civil), Ph.D., P.Eng.

Dr. Robin Hutchinson received her Bachelor of Science and Masters degrees in Civil Engineering from the University of Manitoba in 1988 and 1990, respectively. Robin registered as a practising member with APEGM in August 1991 after beginning her engineering career with Crosier Kilgour & Partners in January 1990. Robin worked for Crosier Kilgour & Partners for several years and was involved with the design and seismic retrofit of buildings in Manitoba, Ontario and British Columbia.

In 1996, Robin returned to the University of Manitoba to pursue a Ph.D. Her Ph.D. research was groundbreaking and innovative. She examined the use of carbon fibre reinforced polymer (CFRP) sheets for shear strengthening of pre-stressed concrete bridge girders. Her research is being used by ISIS Canada and ACI in the development of design codes, and is the basis for the unique field application of CFRP sheets being used to provide shear reinforcement for the Maryland Bridge in Winnipeg, Manitoba, and the John Hart Bridge in Prince George, B.C. Robin is directing this work as a project leader for ISIS Canada Network of Centres of Excellence, and is also project leader for the ISIS project entitled: "Repair and Monitoring of Timber Piles in the Arctic Using FRP and Fibre Optic Sensors".

During the completion of her Ph.D. Robin received numerous awards for her academic excellence. These include an NSERC postgraduate scholarship, a University of Manitoba Scholarship for Academic Achievement, a University of Manitoba Graduate Fellowship, and an ISIS Canada Research Scholarship for Women in Engineering. Robin also received the Precast-Pre-stressed Concrete Institute Research Fellowship and Canadian Institute of Steel Construction Scholarship during the completion of her undergraduate and Masters degrees.

Robin began her academic career as a faculty member in the Department of Civil and Geological Engineering at the University of Manitoba in 1999. She is an excellent teacher and is actively sought by students. In the short period of time since Robin started, she has supervised six undergraduate theses and is supervising three graduate students. Robin has developed three undergraduate courses and a graduate course as well as assisting Dr. Ron Britton with Engineering Design.

Robin's research has been presented both nationally and at international conferences, with more than ten presentations to date. In addition, Robin has published her research in refereed journals and technical reports. Robin is a project leader with ISIS Canada and has received two research grants from ISIS Canada, as well as a four-year grant from the Natural Sciences and Engineering Research Council (NSERC) Canada. Robin was one of the few faculty members to receive funding from the Canadian Foundation for Innovation in 1999.

Robin is an active member of the structures community. She is a member of the Executive Board of the American Concrete Institute (Manitoba Chapter), a member of Women in Engineering Advisory Committee of APEGM, and a member of WISE (Women in Science and Engineering).

In awarding the Early Achievement Award to Dr. Robin Hutchinson, the Association acknowledges her significant contributions and enhancement of the engineering profession and the community in the early stages of a promising career.

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