

Association of Professional Engineers
of the
Province of Manitoba

Early Achievement Award

to

RODNEY S. READ

B.A.Sc.(Geol.Eng.), Ph.D., P.Eng.

Dr. Rodney S. Read received his Bachelor of Applied Science in Geological Engineering in 1984 from the University of British Columbia, and his Doctor of Philosophy in Civil and Geological Engineering in 1994 from the University of Manitoba. He began his practical engineering experience early, working as an undergraduate student on major projects such as the Revelstoke Dam for B.C. Hydro; twinning through the Roger's Pass for C.P. Rail; and the highway at Revelstoke for the B.C. Ministry of Highways.

Upon graduation in 1984, Rodney Read spent two years with Golder Associates carrying out geotechnical field investigations for the Oldman River Dam project in Alberta; hydraulic fracture testing at the Cigar Lake project in Northern Saskatchewan; and tunnel investigations east of Roger's Pass, B.C., as well as numerous other geotechnical projects.

In 1987, Rodney Read joined Atomic Energy of Canada Limited (AECL) in the Geotechnical Science and Engineering Branch at the Underground Research Laboratory (URL). The URL is host to a number of in-site experiments that address issues related to the Canadian concept for the disposal of used nuclear fuel waste. Since 1991, Dr. Read has been Principal Investigator for the Mine-by Experiment, one of the world's foremost rock mechanics experiments, and in 1995 assumed the responsibilities of Experiment Manager as well. The results of these investigations are important in assessing the potential for radionuclide migration around underground openings as a result of excavation-induced damage.

Starting in 1988, Rodney Read pursued, part-time, a Ph.D. degree in Civil Engineering at the University of Manitoba. His Ph.D. thesis entitled "Interpreting Excavation-Induced Displacements around a Tunnel in Highly Stressed Granite" (July, 1994), won first prize in the Tunneling Association of Canada's 1995 Graduate Thesis Competition and was nominated by the University of Manitoba for a Doctoral Prize from the Natural Sciences and Engineering Research Council of Canada (NSERC) and the Rocha Medal of the International Society for Rock Mechanics (ISRM).

Rodney Read has authored and co-authored numerous papers and reports, many of which have been presented nationally and internationally.

In addition to his research work, Rodney Read has lectured to third and fourth year geological engineering students on his work.

Rodney Read's day doesn't end with his research work. He is involved in scouting as a Beaver Leader and as a member of the Group Committee for the Beausejour area, as well as being a member of the Board of Directors in his local church and being a former member of the Board of Directors of the Nursery School in Beausejour. In the Spring and Fall seasons he coaches minor soccer.

In awarding the Early Achievement Award to Dr. Rodney S. Read, the Association recognizes his significant contributions to the engineering profession and his community in the early stages of a promising career.

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