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TD Insurance Meloche Monnex Scholarship

Michael V. Callaghan, MSc, P.Eng., is undertaking a PhD in Geoscience at the University of Calgary in the field of environmental remediation. Salts are naturally present in low concentrations in soil and groundwater, but are commonly found in very high concentrations in areas of oil and gas production and intensely irrigated agriculture. Maximizing the use of existing technologies, Michael is researching the hydrologic mechanisms of flushing salts from the soil under natural rain and irrigated conditions, using water conserving methods, to return salt-affected land to maximum growing productivity. In his view, increasing demand on our soil and water resources means the engineering profession will need to provide both environmentally sustainable and cost-effective solutions to these environmental problems.



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