



The Engineering Institute of Canada

EIC Fellow – 2017



Richard Chalaturnyk

Nominated by the Canadian Geotechnical Society

Dr. Richard Chalaturnyk is the Foundation CMG-Endowed Chair in Reservoir Geomechanics and leads the Reservoir Geomechanics Research Group at the University of Alberta. He is an internationally respected expert in resource geomechanics with a focus on oil and gas recovery, and in risk management of natural resource engineering.

Richard led the risk assessment research theme in the internationally ground-breaking Weyburn-Midale CO₂ project – the most prominent of Canada's activities in carbon capture and storage that features the world's first CO₂ measuring, monitoring and verification project. He serves as an advisor for the International Energy Agency regarding wellbore integrity and monitoring, and Chaired the Canadian Standards Association's Technical Committee that developed the world's first bi-national standard for the geological storage of CO₂.

Richard is a forward-thinking scholar who greatly contributes to Canada's ability to stay at the forefront of innovative research. He spearheaded the establishment of the Geomechanical Reservoir Experimental Facility (GeoREF), which features a high temperature/pressure testing facility, Western Canada's only beam centrifuge and a state-of-the-art 3D sand printing machine. GeoREF is Canada's only major facility for training personnel in reservoir geomechanics processes in a fully integrated research environment, exemplifying his dedication to leading unprecedented world-class research.

Ladies & gentlemen and Mr. President, please welcome Richard Chalaturnyk as a Fellow of the Engineering Institute of Canada.