

## Microseismic Industry Consortium talk and poster schedule - GeoConvention 2019

Session	Talk title	Date	Time	Room
Induced Seismicity – Modeling and Case Studies	Implications of long-lived post-injection induced seismicity near Fox Creek, Alberta <i>Thomas S. Eyre, and David W. Eaton</i>	May 13	9:00 - 9:25am	Telus 106
	Seismic hazard analysis of an induced-seismicity sequence associated with a hydraulic-fracturing stimulation in a Duvernay shale play, Western Canada <i>Germán Rodríguez-Pradilla and David W. Eaton</i>		10:35 - 11:00am	
	Understanding Public Risk Perception in the Oil and Gas Industry <i>Jordan Phillips, Mirko van der Baan, and Scott McKean</i>		11:00 - 11:25am	
Microseismic I	Attenuation tomography using recorded microseismicity in a mine Himanshu Barthwal, Frank J. Calixto, and Mirko van der Baan	May 13	2:15 - 2:40pm	Telus 101-102
	Permeability estimation from hydraulic fracturing induced microseismicity: Effect of fracture growth <i>Himanshu Barthwal and Mirko van der Baan</i>		3:20 - 3:45pm	
	Distinguishing Operational Microseismicity in Western Canada from Induced Earthquakes <i>Rebecca O. Salvage and David W. Eaton</i>		3:45 - 4:10pm	
Machine Learning-AI-Big Data II	Probabilistic Clustering of a Discrete Fracture Network from Microseismic Data <i>Scott H. McKean, Jeffrey A. Priest, Jan Dettmer, David W. Eaton</i>	May 14	2:15 - 2:40pm	Glen 206
Integrating Geoscience to Optimize Unconventional Resource Plays	Analyzing the Decision-making Process of Hydraulic Fracturing Operations <i>Jieyu Zhang and Mirko van der Baan</i>	May 14	3:45 - 4:10pm	Telus 104-105
Duvernay II	Quantification of geological and geomechanical heterogeneity of the Duvernay shale through integration of outcrop and subsurface data and its application to unconventional exploration <i>Marco Venieri, Henry Galvis Portilla, Scott McKean, Simon Poirier, Samantha Mackie, Per Kent Pedersen</i>	May 15	8:35 - 9:00am	Glen 201-204
Geomechanics in Hydraulic Fracturing	A Rock Mass Approach to Assess Hydro-Mechanical Deformation in Tight Rock Reservoirs <i>Mason K. MacKay, Christopher R. Clarkson and David W. Eaton</i>	May 15	9:00 - 9:25am	Telus 111
Microseismic II	Can continuously recorded seismic data be improved with signal processing? The application of deconvolution to microseismic data <i>Ronald Weir, L. Lines, D. Lawton, D. Eaton, A Poulin</i>	May 15	11:00 - 11:25am	Telus 101-102

Session	Talk title	Date	Time	Room
New Technologies for Frontier Plays and Unconventional Resources	Advanced Simulation Environment for Induced Seismicity Mitigation and Integrated Control (ASEISMIC) <i>Thomas S. Eyre, David W. Eaton, Mike Chappell, and Scott McKean</i>	May 15	11:00 - 11:25am	Telus 106
Induced Seismicity – Detection, Processing and Characterization	Forecasting Gutenberg-Richter parameters in probabilistic seismic hazard analysis for induced seismicity <i>Mauricio Reyes Canales and Mirko van der Baan</i>	May 15	3:20 - 3:45pm	Telus 101-102
Seismic Processing - Theory II	A Non-Parametric Bayesian dictionary learning Method for SNR enhancement <i>Chao Zhang and Mirko van der Baan</i>	May 15	4:10 - 4:35pm	Glen 205

## Posters

Title	Day	Time	Board
Acoustic Emissions of Hydraulic Fracturing Laboratory Experiment on Montney Shale <i>Suzie Jia, Ron Wong, and David Eaton</i>	May 13	2:45pm	4
Analyzing the Decision-making Process of Hydraulic Fracturing Operations <i>Jieyu Zhang and Mirko van der Baan</i>	May 14	10:10am	25
Induced seismicity and hydraulic fracturing insights from a fracture survey of an analogous Duvernay outcrop <i>Scott Harold McKean, Simon Poirier, Jeffrey A Priest, Per Kent Pedersen, Henry Galvis-Portilla; Marco Venieri, and Samantha Mackie</i>	May 14	3:05pm	58
The interaction between cm- and m-scale heterogeneity of the Duvernay Formation based on an outcrop case study: implications for 3-D reservoir modeling <i>Samantha Mackie, Marco Venieri, Scott McKean, Henry Galvis Portilla, Simon Poirier, Per Kent Pedersen</i>	May 15	10:00am	57