2015-2016
RESEARCH & SCHOLARSHIP REPORT


[industry report] Risk D. Fugitive and vented emission surveying at Apache's Midale EOR Field. Prepared for Apache Corporation, November 2016. (23 pages)


[industry report] Risk D. An analysis of atmospheric gas concentrations in relation to industrial facilities associated with Shell Quest carbon capture and storage project. Prepared for Shell and submitted June 2016. (22 pages)


[internal report] Risk D. *An analysis of atmospheric gas concentrations and the implications of abandoned oil and gas infrastructure at the Stoney Creek oilfield, New Brunswick*. Prepared for FluxLab and submitted June 2016. (19 pages)


[research grant] Risk D. *Vehicle based fugitive emission detection and attribution within Alberta energy developments*. Petroleum Technology Alliance Canada, 2016-2017 ($85,000).


[research grant] Risk D. *Vehicle based measurement of fugitive and vented emissions on Apache's Midale enhanced oil recovery field*. Engage Grant, Natural Sciences and Engineering Research Council of Canada, 2015-2016 ($25,000).


[research grant] Risk D. *Fugitive gas detection*. Springboard Atlantic, 2015-2016 ($5,000).

[research grant] Risk D. *Addressing the problem of methane release from unconventional energy sites*. Discovery Grant, Natural Sciences and Engineering Research Council of Canada, 2014-2019 ($185,000).


[research grant] Risk D. *Engaging UK oil and gas industry, UK government regulators and academics in field demonstrations of gas detection equipment for shale gas, EOR, o shore O&G infrastructure applications in the UK*. Innovation Mobilization Fund, Springboard Atlantic, 2014-2015 ($10,000).


[research contract] Woods N (principal investigator), Risk D (co-applicant) et al. Winter respiration in the Arctic: Constraining current and future estimates of CO2 emissions during the non-growing season. NASA Arctic Boreal Vulnerability Experiment (ABoVE), 2015-2019 ($100,000 [Risk portion]).

[research contribution agreement] Risk D. Atmospheric leak detection as a tool for bitumen steam chamber and well integrity risk analysis. ecoENERGY Innovation Initiative, Natural Resources Canada, 2015-2016 ($451,024).

[technical services agreement] Risk D. Leak survey mapping, VGS natural gas lines in St.Albans, VT. Vermont Gas, 2016 ($12,500).


[technical services agreement] Risk D & Kellman L. Surface measurement, monitoring, and verification research at the Aquistore Carbon Capture and Storage Site, Saskatchewan. Petroleum Technology Research Centre, 2014-2017 ($151,000).


[media report] Gas detection campaigns launching. CBC Radio (Main Street), CTV Television (Breakfast Television with Heidi Petracek), September 2015.


Engineering

DR. FRANK COMEAU, ASSISTANT PROFESSOR

[research grant] Comeau F. Early development of wireless fitness device. Industrial Research Assistance Program for Small and Medium Enterprise, National Research Council of Canada, 2015-2016 ($5,000)

[research contract] Comeau F. Contract with SHM Canada Consulting Ltd. for development and implementation project for digital sensor interface (DSI) module designed specifically for structural health monitoring applications. Productivity and Innovation Voucher Program, Innovacorp, 2015-2016 ($5,000).


DR. SHAH RAZUL, PART-TIME FACULTY


Human Kinetics

DR. AMANDA CASEY, ASSOCIATE PROFESSOR

[online resource] This is How I Walk Campaign (collaboration with Adapted Sport Society and National Collaborating Centre for Determinants of Health), Antigonish, NS, 2015-present. Retrieved from https://vimeo.com/161953153

[community grant] Casey AF. Motor activities with X. Goodlife Kids Foundation Grant, 2016 ($8,865).