

Here's what's happening in the

BASIN & RESERVOIR LAB

Professor Grant Wach

May 2019

Editor: Trudy Lewis (Trudy.lewis@dal.ca)

EAGE FINALS TWO SHOTS AT GOLD



Earth Sciences finalists of The Laurie Dake Field Challenge and the Minus CO2 Challenge, will travel to London to compete during the 81st EAGE Conference & Exhibition on June 2, 2019.



Participants: Minus CO2 team - Jennifer Lee, Ryan Taylor & Sarima Vahrenkamp. Laurie Dake team of Max Angel, Juan Chavez, Ray Craddock, Tanner Milne and Kanwar Multani.



Congratulations

Congratulations, from the Team of the Basin & Reservoir Lab, to Professor Grant Wach! The CSPG Stanley Slipper Gold Medal Award was presented to Professor Wach at the Geoconvention 2019. The Medal is amongst the highest honours awarded by the Canadian Society of Petroleum Geologists and is presented annually for outstanding contributions to petroleum exploration and development. It also recognizes accomplishments in business and in the broader petroleum industry through the application of the knowledge of petroleum geology.



Alumni Field Trip

On May 11th, a number of Dalhousie Alumni met in Calgary, to participate in the Alumni Field Trip. Participants included Carla Skinner, Maya Soukup, Darragh O'Connor, Dr. Les Eliuk, Carlos Wong, Sydney Stashin, Emma Xinyue Hu, Trevor Kelly, Thuy Vo, Ryan Taylor and Professor Grant Wach.



The trip, led by Carla Skinner, began with an overview of the McConnell Thrust at Mount Yamnuska at Willow Creek, the Lewis Thrust at Galatea Lake trail head and the Upper Devonian car-

bonates at Grassi Lake, that exhibit spectacular vuggy porosity. The trip was followed by a fondue dinner at the Grizzly House in Banff.



Alumni Pub Night

The Alumni Pub Night was well attended and was held on May 12, at Palomino Smoke House Calgary.



Farewells & Well Wishes

Wishing both **Ricardo Silva & Emma Hu** a fond farewell as they leave the Basin & Reservoir Lab to pursue their futures! Ricardo will travel to Ireland where he will begin a new position as a Research Fellow in the Department of Geology, at the School of Natural Sciences, Trinity College Dublin and Emma will begin her employment with Snam S.p.A., an Italian natural gas infrastructure company. Wishing all the best for the future to both!

New Beginnings

The Basin & Reservoir Lab is pleased to announce the hiring of three new employees; **Ryan Taylor, Phillip Sedore and Maya Soukup** will be joining us as Research Assistants. We would like to welcome them as part of our Team!

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Challenge Bowl



This year, Ryan Taylor, Emma Hu and Trevor Kelly, represented the Basin & Reservoir lab as they participated in the 13th Annual National Challenge Bowl.



Each year, teams from different Canadian Universities compete for the grand prize which is an expenses-paid trip to the SEG Annual Meeting.

Congratulations on Retirement



David Brown (BSc Hon 1979) Retired in May as Senior Advisor - Geology from the Canada-Nova Scotia Offshore Petroleum Board. Dave was responsible for many studies of the offshore of Nova Scotia and with Prof. Wach began the Conjugate Margins Conference series. ([www. Conjugatemargins.com](http://www.Conjugatemargins.com)). At Dal, Dave was the first "Social Director" of the Dawson Club, responsible for gatherings— many infamous. Wishing you good health, good luck and great success in your retirement Dave!

Team Posters / Presentations

Grant D. Wach, Graeme E. Wach and Darragh E. O'Connor - Calibration of the Lower Cretaceous Type Sections and Petroleum Systems of the Atlantic Margin

Juan, C. Wong; Xin Yue Hu; Ricardo, L. Silva and Grant, D. Wach - Lower Jurassic Source Rock of the Scotian Margin: Effects of Salt on Maturation and Implications on the Petroleum System

Anne C. Hargreaves, F.W. Richards, Ricardo Silva, and Grant Wach - Seismic and Lithological Characterization and Source Rock Potential of the Aptian Naskapi Shale Member, Logan Canyon Formation, Offshore Nova Scotia

Kenneth T. Martyns-Yellowe, Grant D. Wach, Frank W. Richards and Neil Watson - Investigating the role of crestal faulting on hydrocarbon trapping in rollover structures of the Sable Subbasin, Offshore Nova Scotia - Insights from the Migrant Structure

Grant D. Wach and Carla, H. Skinner - High Pressure Situations: Understanding Reservoir Compartmentalization in the Sable Subbasin

Xinyue Hu; Carlos Wong; Ricardo Silva and Grant Wach - 1D and 2D Petroleum System Modelling of Potential Lower Jurassic Source Rock on Scotian Margin

Trevor B. Kelly and Grant D. Wach - Stratigraphy, Depositional Setting, and Reservoir Quality of the Logan Canyon Formation, Offshore Nova Scotia

Professor Pemberton Memorial Session: Grant D. Wach, Keith W. Shanley and Mike Boyles - Non-marine and marine trace fossil assemblages within the Cretaceous Blackhawk Formation, Utah

