

Here's what's happening in

# BASIN & RESERVOIR LAB



Basin & Reservoir Lab

Professor Grant Wach & Dr. Ricardo Silva

**September 2016**

Editor: Kallen Rutledge (KCRutledge@dal.ca)

## SUCCESSFUL M.Sc. THESIS DEFENCE



In August, lab member **Darragh O'Connor** successfully defended his M.Sc. Thesis "Facies Distribution, Architectural Element Analysis, Provenance, Diagenesis and Reservoir Quality of Synrift Successions from the Breakup of Pangea: Examples from the Fundy Basin and Orpheus Graben". Prof. Dr. Stephen Hesselbo joined us from the University of Exeter, as Darragh's external examiner. Congratulations Darragh!

On August 17th, Prof. Hesselbo presented a seminar lecture to the Dept of Earth Sciences on "The Marine Revolution in the Mesozoic: The Early Jurassic Earth System and Timescale Project".



## Seacology by Kayak



On August 9th, 2016, Prof. Wach and several lab members traveled to East Coast Outfitters in Lower Prospect to tour the coastline by kayak. Prof. Wach shared the history and geology of the area, highlighting and discussing rock formations along route. **Left:** Prof. Stephen Hesselbo and his wife Helen, kayaking with the group.



## Successful PH.D Defence

Congratulations to **Leslie S. Eliuk**, who successfully defended his Ph.D Thesis entitled, "Abenaki Carbonate Platform in Relation to the Jurassic- Cretaceous Sable Island delta, offshore Nova Scotia", in July. Joining us from Coimbra University, Portugal, **Prof. Luis Duarte** was the Ph.D. external examiner. Les's thesis is now available on Dal Space.



## DON'T MISS IT

Post Doctoral Fellow, Dr. Ricardo Silva will present a seminar on Oct 18th at 11:45 am, (rm 3655 Oceanography) entitled, "Planetary-scale changes, oceanographic dynamics, and deep time: what can we learn from old rocks". Don't miss it!

## Five Islands, NS Field Work

On Sept 11, team members traveled to Five Islands Provincial Park, to conduct field work on the Aeolian deposits at Red Head Point. The research will add to previous work on Mesozoic synrift sedimentation of the Minas Fundy basins.



## Shell Fall Field Seminars

This year, the annual Shell Field Seminars will take place on the following dates. 3rd year and 4th year students will attend two seminars each:

Wilson Cycles & Passive Margin Deposits	Point Pleasant Park	Sept 22
Fluvial Architectural Elements	Cambridge	Sept 24
Modern Tidal Flats & Triassic/ Carboniferous Evaporites	Rainy Cove & Cheverie	Sept 25
Carboniferous Coal Rivers	Joggins Fossil	Oct 23

## Microscope Donation

The Basin and Reservoir Lab is grateful for the generous donation from **Dr. Prasanta Mukhopadhyay** (Muki), Global Geoenergy Research Limited, of his Zeiss axioplan microscope to Dalhousie University. This specialized equipment is currently the only one available in Atlantic Canada. It will be used to determine organic facies, visual kerogen type of organic rich sediments, and to determine thermal and temporal histories of basins using vitrinite reflectance measurement. A plaque will be erected this fall in honour of this generous gift.

