

What's happening in the

# BASIN & RESERVOIR LAB



Professor Grant Wach & Dr. Ricardo Silva  
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Editor: Kallen Rutledge (kcrutledge@dal.ca)

## 2016: What's Next?

There are several upcoming events planned for 2016, including:

- The Atlantic Geoscience Society Colloquium on February 5-6th in Truro. Co-op students **Maya Soukup**, **Philip Sedore** will present posters on their research.
- The 14th annual Petroleum Field Methods trip to Trinidad with **Prof. Wach**, **Dr. Silva**, and MSc. Candidate **Anne Hargreaves** leave for Trinidad with 10 students from the EARTH 4157 Petroleum Geoscience Field Methods course this February 12-20th. In Trinidad, the group will be joined by the AAPG Young Professionals of the Geological Society of Trinidad and Tobago, as well as the University of West Indies (UWI).
- The AAPG's Annual Convention & Exhibition 2016 will be held in Calgary from June 19th-22nd. Several MSc Candidates from our lab will present including **Anne Hargreaves**, **Carla Skinner**, **Charles Carlisle**, **Natasha Morrison**, **Taylor Campbell**, **Carlos Wong**, as well as BSc. Graduate **Kenneth Martyns-Yellowe**.



This year, representing Dalhousie University's **Dawson Energy** in the annual AAPG Imperial Barrel Award Competition (IBA), will be **Maya Soukup**, **Zachary Feener**, **Fiona Henderson**, **Patrick Manion**, and **Kyle Wittenberg**. This competition is an international basin evaluation competition for small teams of geoscience students. At Dalhousie University the IBA program is available for course credit as EARTH 4131/5131 Advanced Petroleum Geoscience, allowing undergraduates to compete in a Master's level competition. The team will have eight weeks starting January 14th to analyze a prescribed dataset, (which this year focuses on the North Slope of Alaska), develop a plan of potential prospects of oil and gas exploration, and present it to an expert panel of judges. Team mentor **Adjunct Bill Richards** will advise on Petrel Software Techniques. The team will need to use their time wisely over the next two months to develop both their exploration plan and presentation. Good luck competitors!

## Welcome, Dr. James Brenan!



Dr. James Brenan has joined Earth Sciences as our new Department Chair, effective January 1st, 2016. James comes to us from the University of Toronto, where he was a Professor from 1996 to 2015, serving four years as Associate Chair for Graduate Studies and one year in the same role for Undergraduate Studies. James received his PhD from Rensselaer Polytechnic Institute in 1990, and did post-doctoral research at the Carnegie Institution of Washington and Lawrence Livermore Laboratory. During his time at U of T, James supervised more than a dozen graduate students and taught a variety of mineralogy, petrology, geochemistry, and field classes. His current research focuses on experimental studies of the behaviour of siderophile elements in igneous systems, and he plans to continue this work at Dalhousie. Welcome, James, from all of us!



## Consortium Field Seminar: Lusitanian Basin, Portugal June 3rd - 7th

This summer Dr. Ricardo Silva and Prof. Wach will lead a five day field seminar in Portugal, which will include a short course on carbonate sedimentology and depositional systems with emphasis on organic-rich facies. All members of the Source Rock and Geochemistry of the Central Atlantic Margins are invited to attend. The seminar will commence in Lisbon, and include stops at the University of Coimbra, S. Pedro de Moel, Ericeira, Peniche, Oaredes de Vitoria and Nazare, and Cascais. More information to follow!



Left to Right: Maya Soukup (BSc. Candidate), Carey Ryan (OERA), Stephen Dempsey (OERA), Mark Deptuck (CNSOPB), and Philip Sedore (BSc. Candidate).

Early this month students met with representatives from OERA and CNSOPB, sharing their research in support of the Source Rock and Geochemistry of the Central Atlantic Margins Project. This meeting allowed for discussion of project progress and gave insight into research developments that have taken place over the past six months.