

## **2014 Annual Report:**

### **Petroleum Research School of Norway;**

### ***Nasjonal forskerskole i petroleumsfag (NFIP)***

#### **Activities**

Petroleum Research School of Norway (NFIP) includes PhD students from all of the five universities in Norway that provide PhD education within petroleum related disciplines. Education of petroleum researchers at Norwegian universities benefits from coordinated, interdisciplinary collaboration between the Norwegian universities graduating PhD's in petroleum related scientific disciplines.

The Petroleum Research School of Norway was established to provide a national tool to improve the PhD education within petroleum in Norway. This is achieved by coordinating lectures given by the different universities and providing intensive courses, seminars and conferences for all PhD students in Norway with research projects related to petroleum. The objective is also to establish discussion groups, collaborating opportunities and interdisciplinary meeting places for PhD students and their supervisors; for more information please see [www.NFiPweb.org](http://www.NFiPweb.org).

A database of 123 PhD students related to upstream petroleum technology at the participating universities has been established in 2014 by the Petroleum Research School of Norway; including University of Bergen, University of Stavanger, University of Oslo, Norwegian University of Science and Technology (NTNU), University of Tromsø and the University Center at Svalbard (UNIS).

Over the last three years ca 400 PhD students have participated in NFIP activities; in 2014 a total of 74 PhD- and Master Students participated in the NFIP activities.

#### **2014 courses/seminars:**

##### **Geological field trip to South of England: Oct 20-24<sup>th</sup>**

Emphasizing sandstone and chalk reservoirs and also including immature source rocks and oil seeps

- 7 students participated (NTNU, UoB, UoT)

##### **Geological Field Trip to the Pyrenees: PYREX: Nov 10-14<sup>th</sup>**

- 8 students participated (UoB, NTNU, UNIS)

##### **Fifth Annual PhD seminar at Norwegian Petroleum Museum in Stavanger: Nov. 24<sup>th</sup>**

"Emphasizing More Sustainability in Upstream Petroleum Activities ", Nov. 24th, 2014.

- 59 PhD and master students (UoS, NTNU, UoO, UoB, UoT ) participated at the Norwegian Petroleum Museum in Stavanger; for program see Appendix 1.

#### **Student exchange 2014:**

- PhD student Kiran Sathaye from UT Austin spent 3 months at UiO/SINTEF in Oslo from May-July 2014
- PhD student Zachary Alcorn from Univ. of North Dakota spent three months at UiB from Sept-Dec, 2014
- Five students from University of North Dakota (UND) spent five weeks at UiB on intensive core analysis course as part of MoU with UND.
- 3 students from NTNU and UiB participated in Nano Summit in Houston, Oct. 12-14<sup>th</sup>

#### **Meetings and events in 2014 provided by Petroleum Research School of Norway (NFIP):**

- Hosted Argentinean Petroleum Delegation, lead by Argentina's ambassador to Norway, in Bergen May 9<sup>th</sup>, 2014: "Collaborative Academic Mission: Argentina – Norway", (Program in Appendix 2)

- Signed MoU with University of Houston, TX, USA, January 2014
- Signed MoU with University of Southern California, CA, USA, September 2014
- Hosted reciprocating UND delegation as MoU visit June 2014

**Presentations/participation by Chairman of the Executive Board of Petroleum Research School of Norway:**

- IEA GOTIA, Florence, Italy, April 7-10<sup>th</sup>, 2014
- 18th Annual meeting of the Rice University Consortium for Processes in Porous Media, April 21, 2014:
  - Arne Graue: "The NorTex Collaboration"
- Norway-USA Bilateral Fossil Energy meeting, United States Energy Association (USEA) Washington DC, USA, April 22<sup>nd</sup>, 2014
- Carbon Capture Utilization and Storage (CCUS) site visits in Texas, Mississippi and Alabama with United States Department of Energy (USDOE) and Norway's Ministry of Petroleum and Energy (MPE), April 23-25<sup>th</sup>, 2014
- Norway-USA Bilateral Fossil Energy meeting, CO2 Capture and Storage, Bergen, May 5-8<sup>th</sup>, 2014
- OG21 & Climit seminar: "CO2 EOR Workshop", Bergen, May 7<sup>th</sup>, 2014
  - Arne Graue: "CO2 Foam EOR – Upscaling from Lab to Field Pilot in Texas "
- IEA GOTIA, Denver, CO, USA, Oct. 28-30<sup>th</sup>, 2014

**Board Meetings 2014:**

- January 9<sup>th</sup>, 2014: Board meeting by phone conference
- December 17<sup>th</sup>, 2014: Board meeting by phone conference

NFiP Coordinator Assoc. Prof. Martin Fernø has been in charge of the NFiP secretariat at Department of Physics and Technology, UiB.

***Arne Graue***  
***Chairman Executive Board***