



Welcome to the SMU Geothermal Lab newsletter for December. This month's news includes a thank you and a congratulations, and a workshop in the United Kingdom on the cross over between geothermal and the petroleum industry. In January we will start a series showcasing geothermal and geothermal heat pump links and resources. If you have a favorite site you'd like to share, email geothermal@smu.edu.

SMU Geothermal Laboratory Notes

Thank you to **Rob Podgorney** of Idaho National Laboratory for being part of the SMU Huffington Department of Earth Sciences Friday Seminar Series. Rob's talk was titled "Design, Simulation and Evaluation of a Doublet Heat Extraction Model in Enhanced Geothermal Systems." The Spring 2017 Seminar schedule will be posted soon at

<http://www.smu.edu/Dedman/Academics/Departments/EarthSciences/EventsSeminars>.

Congratulations to **Madie Jones** on successfully defending her **Master's Thesis** "What Caused the 1959 Hebgen Lake Seiche? An Investigation Incorporating 1959 Tide Gauge Data, Newly Acquired Chirp Seismic Data and Numerical Wave Modeling." Congratulations on your new job and good luck in Washington, DC!



If you didn't see Madie's blog posts from the SMU Geothermal Lab research trip to the Beaufort Sea in Alaska, check out <http://blog.smu.edu/geothermallab/2016/09/09/smu-geothermal-lab-researchers-in-alaska/>.

Maria Richards is just back from the **New Zealand Geothermal Workshop**. She visited the Ngatamariki and Rotokawa Geothermal Fields and saw surface features at Wai-O-Tapu as part of a great field trip. More information: <http://www.geothermalworkshop.co.nz/>.

Maria will be at **PowerGen** December 13 - 14, 2016 and will be presenting in the Distributed Energy Resources session on Wednesday December 14th, 1:30 – 3:30 pm. More information:

<http://www.rewintl.com/index.html>.

Fundraising Campaign

We are receiving donations! Wahoo! Join our **fundraising campaign** for a way to make a difference with a tax-deductible donation. It's simple to complete online <https://sites.smu.edu/apps/giving/Geothermal.asp> or mail a check to "SMU Geothermal Lab". Your contributions keep our outreach program going strong and full of enthusiasm.

Latin American Grants

The 1st Expressions of Interest (EOI) allows interested applicants to submit a proposal for surface study funding up to €600,000 and contingency drilling grants up to €5.8 million by the Geothermal Development Fund (GDF). Latin American countries are: Bolivia, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Nicaragua, and Perú. Sign up to receive the Developer's Manual and other key information before January 15th, 2017. EOIs will be accepted between January 15th and February 28th, 2017. Begin the process at www.gdflac.com or email info@gdflac.com.

Learn Something New

For an overview of how **lithology affects temperature gradient**, check out a classic poster on our website at http://www.smu.edu/-/media/Site/Dedman/Academics/Programs/Geothermal-Lab/Graphics/TemperatureTutorial/HowLithologyAffectsTemperatureGradient_OCR_SMU.ashx.

Geothermal Heat Pump News and Notes

The U.S. House of Representatives **did not** include extension of the Investment Tax Credit (Sec. 48) or Residential Energy Efficiency Property Credit (Sec. 25D) for **geothermal heat pumps** (GHPs) in the stopgap spending bill they passed on December 6, 2016. More information:

<https://www.geoexchange.org/congressional-inaction-puts-geothermal-heat-pump-industry-thousands-jobs-peril/>.

IGSHPA has scheduled **training classes** for both installers and inspectors in January in Oklahoma. More information: <http://www.igshpa.okstate.edu/training/>.

Other Event Details

Abstracts are being accepted for the AAPG **Geothermal Cross Over Technology Workshop**, April 25-27, 2017 in Durham, United Kingdom. Abstracts are **due January 26, 2017**. More information:

<http://www.aapg.org/global/europe/events/workshop/ArticleId/32280/geothermal-cross-over-technology-workshop#151742122-details>.

Calendar

December 13-15, 2016 – Power-Gen – Renewable Energy World International, Orlando, Florida. More information: <http://www.rewintl.com/index.html>. Maria presents on Wednesday December 14th in the Distributed Energy Resources session, 1:30 – 3:30 pm.

December 19-21, 2016 - Clean Air Through Energy Efficiency (CATEE) Conference, San Antonio, Texas. More information: <http://catee.tamu.edu/home>.

February 13-14, 2017 - Stanford Geothermal Workshop, Stanford, California. More information: <https://pangea.stanford.edu/researchgroups/geothermal/stanford-geothermal-workshop>.

February 15-16, 2017 – GeoTHERM expo & congress, Offenburg, Germany. More information: <http://www.geotherm-germany.com/>.

March 14-16, 2017 – Dig In 2017 IGSHPA Conference & Expo, Denver, Colorado. More information: <http://www.igshpa.okstate.edu/conf/>.

March 21-22, 2017 - SPE/GRC Workshop: High-Temperature and Corrosion in Drilling and Production: Exploring Geothermal and Oil and Gas Synergies, San Diego, California. More information: <http://www.spe.org/events/en/2017/workshop/17jsnd/about.html>.

April 5-7, 2017 - EMR2017 in Lisbon, Portugal. More information: <http://emr2017.org/>.

April 13-14, 2017 - NREL Industry Growth Forum, Denver, Colorado. More information: <http://www.nrelforum.com/Home>.

April 25-27, 2017 - AAPG Geothermal Cross Over Technology Workshop, Durham, United Kingdom. More information: <http://www.aapg.org/global/europe/events/workshop/Articleid/32280/geothermal-cross-over-technology-workshop#151742122-details>.