



Welcome to the SMU Geothermal Lab newsletter for March. This month we have an update on our conference, news of a deep heat project in Finland, a job opening, a job seeker and an opportunity for funding. We are generating additional value for oil and gas fields!

2016 SMU Geothermal Lab Power Plays Conference



POWER PLAYS™

GEOTHERMAL ENERGY IN OIL AND GAS FIELDS

Conference & Workshop April 25-26, 2016 SMU Campus, Dallas, TX

We have a great line up of presenters for the 2016 SMU Power Plays conference. Topics include oilfield projects, technology updates, desalination, geothermal research, and additional sources and uses of geothermal energy. See the full list of presenters on our [website](#). Now is a great time to [register](#) for the conference!

For all our conference information, check the website

<http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>.

- **Sponsorship** – Contact Cathy Chickering Pace, catherine@smu.edu or 214-768-1510, to find the [sponsorship](#) level that is right for your company.
- **Registration** – [register now](#) for the conference.
- **Student registration** – thanks to generous sponsorship from SedHeat, discounted [student registration](#) is available until April 12, 2016.
- **Social media** – follow us on [Twitter](#), like us on [Facebook](#) and check out our new [blog](#). Share our posts and help us get the word out about the conference using #SMUPowerPlays.

Have you been furloughed from the oil and gas industry? Contact geothermal@smu.edu to see how we can help you register for the conference.

SMU Geothermal Laboratory Notes

The SMU Geothermal Lab was delighted to host Rami Niemi and Tero Saarno from st1, along with Peter Malin of ASIR and Peter Leary, for a seminar in the Huffington Department of Earth Sciences about the **st1 Deep Heat Project**. St1 will be **drilling to 7 km** through granite to produce geothermal energy for

district heating in Espoo, Finland. Read more at: <http://www.thinkgeoenergy.com/finland-pushing-ahead-with-innovative-geothermal-heating-project/>. Good luck with drilling which is set to begin in April!

Andrés Ruzo is featured in an article in The Straits Times discussing geothermal energy in **Singapore**. Read more at: <http://www.straitstimes.com/singapore/environment/geothermal-energy-never-turns-off>.

Job Opening

The National Science Foundation is looking for a new **Assistant Director for Geosciences**. More information: http://www.nsf.gov/od/searches/geo-160307/nsf_ad_geo_search_letter.jsp.

Opportunity for Funding

The **Department of Energy** has issued a **Funding Opportunity Announcement** between Fossil Energy's Carbon Storage Program and Energy Efficiency and Renewable Energy's Geothermal Technologies Office entitled "Development of Technologies for Sensing, Analyzing, and Utilizing Novel Subsurface Signals in Support of the Subsurface Technology and Engineering (SubTER) Crosscut Initiative". There is approximately \$9 million available for 4 to 8 projects. More information:

<https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0001445&agency=DOE>.

Geothermal News and Notes

We have some information below from a recent graduate who is looking for full-time employment. Please contact Tessa if you know of any job openings.

Tessa Shizuko Hermes
M.S. Geology & Geophysics
Louisiana State University, December 2015
shizuko.hermes@gmail.com

The focus of my research at LSU was the potential for development of geothermal energy resources in North-central Louisiana via analysis of the subsurface environment. Through this, I developed an interest in the co-production of geothermal electricity and hydrocarbons. This interest builds on my three years of experience in the Oil & Gas industry as a Field Geologist, Geosteerer, and Geoscience Intern. Prior to working in Oil & Gas, while earning my B.A. in Geology at Oberlin College, the focus of my academic and career interests was environmental remediation and groundwater hydrogeology, and my 40 hour Hazardous Waste Operations and Emergency Response (HAZWOPER) Certification remains current. Throughout my career I have been commended on my attention to detail and ability to identify patterns and integrate large volumes of information from various sources, as well as my organizational skills and ability to adapt quickly to changes in fast-paced environments.

I am looking for the opportunity to work in the Geothermal, Oil & Gas, or Environmental industry in a position that will utilize my diverse capabilities and allow me to continue to build my skill set.

The **Shreveport Geological Society** has recently added an online **publications shop** where regional and field studies are available for immediate purchase and download. More information: <http://sgs1.org/shop-publications>.

This Month's Highlighted Resources

Geothermal Heat Pump Information

- The Department of Energy has a good introduction to the types of geothermal heat pump systems available. <http://energy.gov/energysaver/articles/geothermal-heat-pumps>
- DSIRE (Database of State Incentives for Renewables & Efficiency) is the most comprehensive source of information on tax incentives and policies that support renewables and energy efficiency in the United States. <http://www.dsireusa.org/>
- Geothermal Exchange Organization has detailed information on geothermal based air conditioning systems and its use in the private and government sectors. They also have an excellent newsletter. <https://www.geoexchange.org/>
- Geo-Heat Center at the Oregon Institute of Technology does research on Direct Use Applications including Ground Source Heat Pumps. <http://geoheat.oit.edu/>
- The International Ground Source Heat Pump Association (IGSHPA) has list of designers and installers who have been through their training class. <http://www.igshpa.okstate.edu/>
- HeatSpring offers training courses for geothermal installers and designers. <https://www.heatspring.com/>
- GEOKISS website includes Ground Source Heat Pump design research and materials from Dr. Steve Kavanaugh of University of Alabama. The site provides great material for those who want to install a system themselves and includes a list of heat pump manufacturers, suppliers and contractors. <http://www.geokiss.com/>
- National Geothermal Day website includes information for homebuyers and homeowners. <http://www.geothermalday.com/families>

Other Event Details

Gulf Coast Power Association is hosting their 2016 **Spring Conference** on April 12-13, 2016 in Houston, Texas. More information: <http://www.gulfcoastpower.org/Events/2016/Spring-Conference-2016.aspx>.

EFD is hosting a **workshop** on Tier 4 Diesel Technology on May 12, 2016 in The Woodlands, Texas. More information: <http://efdsystems.org/index.php/calendar/event/211>.

RPSEA is hosting a **workshop** titled "Interactive Workshop Focusing on Emissions from Unconventional Resources Development Activity" on May 26, 2016 in Denver, Colorado. More information: <http://www.rpsea.org/events/514/>.

Production Chemicals Optimization: Unconventional Oil & Gas, June 29-30, 2016, Houston, Texas. Hear experts from E&P companies present case studies about maximizing chemical program benefits while cutting costs and minimizing risk. More information: <http://www.production-chemicals-optimization.com/>.

Save the Date for the Houston Geological Society **2016 Africa Conference**, September 12-14, 2016 in Houston, Texas. More information: <https://www.hgs.org/civcrm/event/info?id=1575>.

Calendar

April 12-13, 2016 - Gulf Coast Power Association Spring Conference, Houston, Texas. More information: <http://www.gulfcoastpower.org/Events/2016/Spring-Conference-2016.aspx>.

April 22-24, 2016 - Earth Day Texas, Dallas, Texas. More information: <http://earthdaytx.org/>.

☺ **April 25-26, 2016** – SMU Geothermal Lab **Power Plays: Geothermal Energy in Oil and Gas Fields**, SMU Campus in Dallas, Texas. Now is a great time to [register](#) for the conference. More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>.

May 12, 2016 - EFD workshop Tier 4 Diesel Technology, The Woodlands, Texas. More information: <http://efdsystems.org/index.php/calendar/event/211>.

May 26, 2016 - RPSEA workshop “Interactive Workshop Focusing on Emissions from Unconventional Resources Development Activity”, Denver, Colorado. More information: <http://www.rpsea.org/events/514/>.

June 20-24, 2016 - National Geothermal Academy short course, University of Nevada, Reno. More information: <http://www.gbcge.org/education-NGA.php>.

October 16-21, 2016 - SEG Annual Meeting, Dallas, Texas. More information: <http://www.seg.org/web/annual-meeting-2016/call-for-papers>.

October 23-26, 2016 - GRC Annual Meeting & GEA Geothermal Energy Expo, Sacramento, California. More information: <http://www.geothermal.org/>.

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