



Welcome to the SMU Geothermal Lab newsletter for May. In this newsletter we have an opportunity for funding, a new heat flow mapping technology looking for a trial survey site, and a GSHP trial in Alaska. There are May 2 and 3 activities in the events column; plus come join me on May 10<sup>th</sup> at the TEC Symposium and the DGS Crawfish Boil!

### SMU Geothermal Lab News and Notes

The end of the semester is rapidly approaching at SMU. Congratulations to all the students at SMU and elsewhere graduating in May! Good luck with your next endeavor.

### Opportunity for Funding

The **Geothermal Technologies Office** has **\$14.5 million** in funding available to **advance efficient drilling for geothermal energy** in the U.S. Topics include reducing non-drilling time, advanced drilling technologies and innovative partnership models. Concept papers **are due 5 pm ET on May 31, 2018**.

More information: <https://eere-exchange.energy.gov/default.aspx#Foald182ca4a0-b6a2-4b2e-94b4-47bc88d7a002>. An informational webinar is May 2, 2018, at 2:00 PM (EST). You may access the webinar through this link: <https://doe.webex.com/doe/onstage/g.php?MTID=ee8dcb46bd3388cd1423bb493f1ebee9>

### Geothermal News and Notes

**Hot Dry Rocks** PL have developed a **Heat Needle to monitor conductive heat flow** at the Earth's surface. The measured data are coupled with advanced data processing techniques to filter the solar and atmospheric thermal disturbances. A **heat flow map** could be generated by deploying an array of such instruments across a geothermal exploration area. Hot Dry Rocks are looking for a site or sites to deploy the Heat Needle for a **trial survey**. More information: <https://www.linkedin.com/pulse/heat-flow-maps-prospect-scale-graeme-beardsmore/>.

The second **Geothermal Technology Office Quarterly Update** WebEx is available at <https://www.energy.gov/eere/geothermal/presentations>. Topics for discussion at the next update can be emailed to [DOE.Geothermal@ee.doe.gov](mailto:DOE.Geothermal@ee.doe.gov).

The **Department of Energy** is seeking feedback on key barriers that may prevent long-term access to **low-cost water supplies** that could be best addressed through **challenges and prize competitions**. Submit responses to [WaterPrizeRFI@ee.doe.gov](mailto:WaterPrizeRFI@ee.doe.gov) by 5:00 p.m. EST on **May 14, 2018**. More information: <https://eere-exchange.energy.gov/default.aspx#Foald45c72943-674f-484c-8592-1b95b0906387>.

SMU Earth Science Adjunct Faculty **Steve Bergman** spoke on the Lone Star Scoop **Podcast** about the geology of the Dallas – Fort Worth following leaks in natural gas lines in northwest Dallas. More information: <https://audioboom.com/posts/6728400-lone-star-scoop-ep-14-atmos-gas-leak-crisis>.

## Geothermal Heat Pump News and Notes

Geo Outlook has an article on a **GSHP demonstration project in subarctic Alaska**. They are investigating how long-term use of GSHP affects soil temperatures and how the system performs with a long heating season and no cooling season. Read the full article at <http://www.geooutlook.org/epub/GO2018No1/16/>.

## Other Event Details

**Registration** is open for **Harnessing Texas' Energy Leadership for New Economic Opportunities**, a forum hosted by Clean Energy Business Network (CEBN) and Houston Advanced Research Center (HARC), **May 1, 2018**, The Woodlands, Texas. More information: <https://cebn.org/event/harnessing-texas-energy-leadership-for-new-economic-opportunities/>.

**Registration** is open for the 2018 **EPIcenter Summit, May 3, 2018** in San Antonio, Texas. The summit will explore technologies available to enable business resilience in the face of disaster. More information: <https://www.eventbrite.com/e/disaster-disabled-resilience-reinvented-tickets-42869044466>.

**International Partnership for Geothermal Technology** is holding a **meeting** in Taupo, New Zealand, **June 19-22, 2018**. A site visit is included. More information: <https://ipgtgeothermal.org/>.

You are invited to submit an **abstract** on **hydrogeology-energy** topics including geothermal, hydrocarbon-water, and other water-energy issues for Session T109 Hydrogeology and Energy at **Geological Society of America Annual Meeting**, November 4-7, Indianapolis, Indiana. Abstracts are **due August 14, 2018**. More information: <http://community.geosociety.org/gsa2018/home>.

## Calendar

**May 1, 2018 - Harnessing Texas' Energy Leadership for New Economic Opportunities**, The Woodlands, Texas. More information: <https://cebn.org/event/harnessing-texas-energy-leadership-for-new-economic-opportunities/>.

**May 3, EPIcenter Summit**, in San Antonio, Texas. More information: <https://www.eventbrite.com/e/disaster-disabled-resilience-reinvented-tickets-42869044466>

**May 10 – Texas Energy Council Symposium**, SMU Campus in Dallas, Texas. More information: <http://www.texasenergycouncil.org/symposium-2018/>

**May 10 – Dallas Geological Society 19<sup>th</sup> Annual Crawfish Boil** – White Rock Lake Winfrey Point, Dallas, Texas. <https://www.dgs.org/events/62/> (early registration ends May 3)

**May 20-23, 2018 - AAPG ACE** Salt Lake City, Utah. More information: <http://ace.aapg.org/2018/>.

**June 16-21, 2018 - Resources for Future Generations (RFG2018)**, Vancouver, Canada. More information: <http://www.rfg2018.org/>.

**June 19-22, 2018 - International Partnership for Geothermal Technology meeting**, Taupo, New Zealand. More information: <https://ipgtgeothermal.org/>.

**June 24-27, 2018 - 52<sup>nd</sup> U.S. Rock Mechanics/Geomechanics Symposium**, Seattle, Washington. More information: <http://armasyposium.org/>.

**September 4-7, 2018 - GEOHEAT 2018**, Petropavlovsk-Kamchatsky, Russian Federation. More information: email [geoheat2018@yandex.ru](mailto:geoheat2018@yandex.ru).

**October 14-17, 2018 - GRC Annual Meeting**, Reno, Nevada. More information: <https://www.geothermal.org/meet-new.html>.

**October 21-23, 2018 - TREIA's 2018 GridNEXT conference**, Georgetown, Texas. More information: <http://www.treia.org/gridnext/>.

**November 4-7, 2018 - Geological Society of America Annual Meeting**, Indianapolis, Indiana. Session T109: Hydrogeology and Energy. More information: <http://community.geosociety.org/gsa2018/home>.

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