



**SMU** | GEOTHERMAL  
LABORATORY

Welcome to the April 2019 newsletter from the SMU Geothermal Lab. In this newsletter we have many congratulations, an opportunity for funding for geothermal drilling, information on the 2019 National Geothermal Academy, and a video of earthquake waves travelling from Alaska through the lower 48 (Wow! The waves are faster than I ever imagined).

### SMU Geothermal Lab News and Notes

*Congratulations* to **Vashan Wright** on completing his PhD titled: "Assessing Quaternary Geohazards in Hispaniola & Jamaica Using Seismic, Remote Sensing & Sediment Core Data". Best wishes Vashan on your new position at Louisiana State University.

Kamil Erkan, SMU Geothermal Lab Alumni, has a new paper recently published "Temperature-depth curves and heat flow in central part of Anatolia, Turkey" in Tectonophysics. More information: <https://www.sciencedirect.com/science/article/pii/S0040195119300642>.

**Presentations** from the January 2018 **Power Plays conference** are now available on our website at <https://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/PastPresentations>. Research locations include East Texas, the Williston Basin, Pakistan, Serbia and Indonesia. A special Thank You to **Christine Ferguson** for getting them uploaded.

### Congratulations

*Congratulations* to **UC Won** on securing leases on existing geothermal production wells in Northern Nevada to begin testing to deploy RenewGeo technology, a process of **Solar Augmented Geothermal Energy**. More information: [https://www.prweb.com/releases/renewgeo\\_geothermal\\_power\\_production/prweb16093438.htm](https://www.prweb.com/releases/renewgeo_geothermal_power_production/prweb16093438.htm).

### Opportunity for Funding

The **U.S. Department of Energy** announced up to **\$7 million** for research on subsurface stress and lost circulation in geothermal drilling. Concept papers are **due April 26, 2019** at 5 p.m. EST. More information: <https://www.energy.gov/eere/articles/energy-department-announces-7-million-research-subsurface-stress-and-lost-circulation>.

### Geothermal News and Notes

**Registration** is open for the 2019 **National Geothermal Academy**. Module 1: Geothermal Geostatistics runs **June 10-14, 2019** and Module 2: Geothermal Geophysics runs **June 17-21, 2019**. The academy is open to both students and professionals and will be held at the University of Nevada, Reno. More information: <https://gbcge.org/education/>.

Geothermal Resources Council **scholarship applications** are open to all students. Awards of \$500 undergraduate and \$2500 graduate will be awarded in Fall 2019. Applications are **due by May 24, 2019**. For more details see the GRC website: [www.geothermal.org/students.html](http://www.geothermal.org/students.html).

**Slides** from the **Geothermal Technologies Office** first Quarterly Update for 2019 are available at <https://www.energy.gov/eere/geothermal/presentations>.

The **Texas State Energy Conservation Office (SECO)** has a program called the Property Assessed Clean Energy (PACE) that provides **low-cost, long-term financing** for water and **energy efficiency** and conservation improvements to commercial and industrial properties. More information: <https://comptroller.texas.gov/programs/seco/funding/pace.php>.

Jay Dauenhauer has an **energy podcast** called Energy Cast. In episode 37, he interviewed Will Gosnold about his **oilfield geothermal project** in North Dakota. More information: <https://www.energy-cast.com/> and <http://www.energy-cast.com/37-und.html>.

**Irina Tsiryapkina**, a graduate student at the Institute for Energy Studies, University of North Dakota, is looking for her **next position**. She worked with Will Gosnold on geothermal and electric power analysis of horizontal wells in the Williston Basin. Will gives her a very high recommendation and states she is excellent with computer software and programming skills. If you have any job openings, please contact Irina at [irinatsiryapkina@gmail.com](mailto:irinatsiryapkina@gmail.com).

If a **summer internship** working on a pre-feasibility geothermal study for a site in Alaska is of interest, then contact Viktoria Gisladdottir, Research Mechanical Engineer at ERDC-Cold Regions Research & Engineering Laboratory. [Viktoria.R.Gisladdottir@erdcdren.mil](mailto:Viktoria.R.Gisladdottir@erdcdren.mil)

## Beyond Geothermal

**Global Green** is offering free technical assistance as they work to **build more sustainable and resilient neighborhoods**. More information: <https://www.globalgreen.org/blog/sna2019>.

The **Seismology section of AGU** is celebrating **100 years** of AGU by showcasing 100 papers in seismology. Nominate a paper and see papers showcased so far at <https://seismology.agu.org/agu100-celebrating-every-year-of-agu/>.

Thanks to Dave Koger for passing along this video showing earthquake **waves from the November 2018 Alaska earthquake** travelling through the lower 48: <http://ds.iris.edu/spud/gmv/17246644>. See the seismic stations at <http://ds.iris.edu/gmap/#network=US-TA&matchtimeseries=true&includeoverlaps=false&level=&format=text&planet=earth>.

## Other Event Details

**Registration** is open for the 33<sup>rd</sup> **Gulf Coast Power Association** Spring Conference and Exhibition, **April 16-17, 2019** in Houston, Texas. More information: <https://www.gulfcoastpower.org/events/events/2019/april/spring-2019-gcpa-conference/>.

**Students** – the **Geophysical Society of Houston** is offering free entry and networking opportunities at their **Spring Symposium and Exhibition** in exchange for volunteering at the symposium, **April 16-17**,

**2019** in Houston, Texas. More information: Peter Wang, [pwang01@gmail.com](mailto:pwang01@gmail.com) and <https://www.gshtx.org/symposium2019>.

**DOE Southcentral and Upper West Combined Heat and Power TAP** has recordings of previous webinars available at [https://www.harcresearch.org/work/CHP\\_TAP](https://www.harcresearch.org/work/CHP_TAP). Upcoming webinars include “Combined Heat and Power (CHP) and Resilience: Keeping the Lights On and Lowering Operating Costs”, **April 25, 2019**, 11 am to 12 pm CST. Registration: <https://register.gotowebinar.com/register/839067406919892236>.

**Save the Date** for **TREIA’s GridNEXT 2019** conference, **June 26-27, 2019** in San Antonio, Texas. Registration opens April 1<sup>st</sup>. More information: <https://www.treia.org/gridnext-2019-save-the-date>.

**Save the Date** for the **Geothermal Resources in Sedimentary Basins** conference organized by the University of Alberta, **October 15-18, 2019** in Edmonton, Alberta, Canada. More information: <http://gssb2019.com/>.

## Calendar

**April 9-10, 2019 - 3rd Hydrocarbon – Geothermal Cross Over Technology Workshop**, Geneva, Switzerland. More information: <https://www.aapg.org/global/europe/events/workshop/ArticleId/48917/aapg-3rd-hydrocarbon-%E2%80%93-geothermal-cross-over-technology-workshop>.

**April 16-17, 2019 - Gulf Coast Power Association Spring Conference and Exhibition**, Houston, Texas. More information: <https://www.gulfcoastpower.org/events/events/2019/april/spring-2019-gcpa-conference/>.

**April 16-17, 2019 - Geophysical Society of Houston Spring Symposium & Exhibition**, Houston, Texas. More information: <https://www.gshtx.org/symposium2019>.

**April 25, 2019 – Combined Heat and Power (CHP) and Resilience: Keeping the Lights On and Lowering Operating Costs** webinar. 11 am to 12 pm CST. Registration: <https://register.gotowebinar.com/register/839067406919892236>.

**June 10-21, 2019 - National Geothermal Academy**, University of Nevada, Reno. More information: <https://gbcge.org/education/>.

**June 26-27, 2019 - TREIA’s GridNEXT 2019**, San Antonio, Texas. More information <https://www.treia.org/gridnext-2019-save-the-date>.

**September 15-18, 2019 - 43rd GRC Annual Meeting & Expo**, Palm Springs, California. More information: <https://geothermal.org/meet-new.html>.

**October 15-18, 2019 - Geothermal Resources in Sedimentary**, Edmonton, Alberta, Canada. More information: <http://gssb2019.com/>.

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