



Welcome to the SMU Geothermal Lab newsletter for March. This month we have the first information on our 2018 Power Plays conference along with information on student internships at DOE, the 2017 National Geothermal Academy, and a list of geothermal heat pump resources.

2018 SMU Power Plays Conference

POWER PLAYS™

DRILLING INTO GEOTHERMAL ENERGY APPLICATIONS

#SMUPowerPlays

January 10-11, 2018

SMU Campus, Dallas, TX

The SMU Geothermal Lab is excited to announce our 9th international energy conference, **Power Plays: Drilling into Geothermal Energy Applications**, January 10-11, 2018 on the SMU campus in Dallas, Texas. Power Plays will advance the understanding of geothermal resources, providing you with insights into developing this clean energy reserve.

- **Save the Date** – mark your calendar for the 2018 SMU Power Plays conference on **January 10-11, 2018** on the SMU campus in Dallas, Texas. We look forward to seeing you! More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>.
- **Call for Abstracts** – you are invited to submit an abstract for a talk, poster presentation, panel discussion or interactive discussion of a case studies and project in the planning stages. Abstracts are due Friday **October 13, 2017**. More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/CallForAbstracts>.
- **Sponsorship** – increase your company’s visibility and interact with a broad cross section of the geothermal and energy community by becoming a sponsor of the 2018 SMU Power Plays conference. Contact Cathy Chickering Pace at 214-768-1510, catherine@smu.edu or visit <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/Sponsorship>.

SMU Geothermal Laboratory Notes

Maria Richards will be moderating a session on using well temperature measurements as climate change indicators at the **GRC Annual Meeting and GEA GEOEXPO+** in Salt Lake City, Utah on October 1 – 4, 2017. Papers are due by May 31, 2017. Join her in submitting a paper and pass this along to others interested in this topic. More information: <https://geothermal.org/meet-new.html>.

Matt Hornbach is a co-organizer of the **NSF – IODP Workshop** Drilling strategies for assessing links between Quaternary Gulf Stream dynamics, pore pressure evolution, and slope stability on the Western

North Atlantic Margin, April 11-13, 2017 which will be held on the SMU campus in Dallas, Texas. More information: <http://usoceandiscovery.org/workshop-slope-stability/>.

Job Openings

The **Department of Energy** has an ongoing **student internship** program at its national labs called The Science Undergraduate Laboratory Internships (SULI) Program. Applications for the fall 2017 window are now open. More information: <https://science.energy.gov/wdts/suli/>.

Learn Something New

Interested in how **Combined Heat and Power** technology can be utilized in the **oilfield**? Check out the presentations from a recent HARC workshop at http://www.harcresearch.org/announcement/CHP_in_the_Oilfield_Electrification_Workshop.

Geothermal News and Notes

The **National Geothermal Academy** will be held **June 19-30, 2017** on the University of Nevada, Reno, Redfield campus. Module 1 covers geothermal drilling engineering and module 2 covers geothermal reservoir engineering. Applications are accepted only until the course is filled with the **student deadline May 5, 2017** and **professional deadline June 2, 2017**. More information: <http://www.gbcge.org/education-NGA.php> or email geothermal@unr.edu.

The **NSF Continental Scientific Drilling Coordination Office** (CSDCO) is looking for input from those **planning to core or drill** on Earth's continents in the next 10 years. They invite you to fill out a survey at <http://z.umn.edu/csdcsurvey>. Science Planning Workshop 2 will be held May 18-19, 2017 in Minneapolis, Minnesota with applications **due April 14, 2017**. Some funding for travel is available. More information: <https://csdco.umn.edu/about/science-planning/workshop-may-2017>.

The **Geothermal Technologies Office** has released its **2016 Annual Report** which includes information on Enhanced Geothermal Systems (EGS), Hydrothermal, Low Temperature and Coproduced Resources, and Systems Analysis. More information: https://energy.gov/sites/prod/files/2017/03/f34/GTO%202016%20Annual%20Report_0.pdf.

The **Geothermal Resources Council** has a map on the front page of their website showing the **global distribution** of their membership. A fun place to click around if you like maps, distributions, or geography. More information: <https://geothermal.org/>.

Geothermal Heat Pump News and Notes

The **Geothermal Exchange Organization** has issued an **Action Alert** to push for **H.R. 1090**, legislation that will reinstitute and extend the federal residential and commercial tax credits for geothermal heat pumps that expired at the end of 2016. They suggest you email your congressman or invite them for a job site visit. More information: <https://www.geoexchange.org/hr-1090-grassroots-advocacy-materials/>.

This Month's Highlighted Resources

Geothermal Heat Pump Resources

- 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 have an excellent newsletter. <https://www.geoexchange.org/>
- The International Ground Source Heat Pump Association (IGSHPA) conducts GSHP system installation training and geothermal research. They have an excellent newsletter. <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. <http://www.geokiss.com/>
- National Geothermal Day website includes information for homebuyers and homeowners. <http://www.geothermalday.com/families>

Other Event Details

AAPG is hosting **two free public events** at the ACE 2017 meeting, **4-5 April, 2017** in Houston, Texas. The half-day sessions will focus on the future of energy and its place in a lower carbon world. More information: <http://ace.aapg.org/2017/technical-program/forums-and-special-sessions/the-next-100-years-of-global-energy-use-resources-impacts-and-economics> and <http://ace.aapg.org/2017/technical-program/forums-and-special-sessions/deg-dpa-forum-the-future-best-practices-for-extraction-industries-in-a-lower-carbon-environment>.

Registration is open for the **Dallas Geological Society** 18th Annual **Crawfish Boil** on **April 20th, 2017** in Dallas, Texas. More information: <http://www.dgs.org/events/20/>.

Registration is open for the **51st U.S. Rock Mechanics / Geomechanics Symposium** to be held **June 25-28, 2017** in San Francisco, California. More information: <http://armasyposium.org/>.

Calendar

2-5 April, 2017 – **AAPG ACE 2017**, Houston, Texas. More information: <http://ace.aapg.org/2017>.

April 4, 2017 - Mexico Geothermal Opportunities Workshop, La Jolla, California. More information: <https://www.iamericas.org/en/events-sp-1138149363/2267-mexican-geothermal-opportunities-workshop>.

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

April 11-13, 2017 - NSF – IODP workshop Drilling strategies for assessing links between Quaternary Gulf Stream dynamics, pore pressure evolution, and slope stability on the Western North Atlantic Margin, SMU campus, Dallas, Texas. More information: <http://usoceandiscovery.org/workshop-slope-stability/>.

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

April 20th, 2017 - Dallas Geological Society Crawfish Boil, Dallas, Texas. More information: <http://www.dgs.org/events/20/>.

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>.

May 18-19, 2017 - NSF Continental Scientific Drilling Coordination Office Science Planning Workshop 2, Minneapolis, Minnesota. More information: <https://csdco.umn.edu/about/science-planning/workshop-may-2017>.

June 19-30, 2017 - National Geothermal Academy, University of Nevada, Reno, Redfield Campus. More information: <http://www.gbcge.org/education-NGA.php>.

June 25-28, 2017 - 51st U.S. Rock Mechanics / Geomechanics Symposium, San Francisco, California. More information: <http://armasyposium.org/>.

October 1-4, 2017 – GRC Annual Meeting and GEA GEOEXPO+ Salt Lake City, Utah. More information: <https://geothermal.org/meet-new.html> and <http://geothermalexpo.org/>.

Save the Date - January 10-11, 2018 - SMU Power Plays conference. More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>.

Suggestions for an upcoming newsletter? Email geothermal@smu.edu.
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