



SMU | GEOTHERMAL
LABORATORY

Welcome to the SMU Geothermal Lab newsletter for September. We have information on Deep-Direct Use feasibility study funding, an article on using a heavy-oil technique to improve geothermal power production and a list of upcoming events. Don't forget it's time to submit your abstract for the 2018 SMU Power Plays conference.

2018 SMU Power Plays Conference

POWER PLAYS™

DRILLING INTO GEOTHERMAL ENERGY APPLICATIONS

#SMUPowerPlays

January 10-11, 2018

SMU Campus, Dallas, TX

Time to get your [abstract](#) in!

We are looking for oral and poster presentations on the following topics:

- Reservoirs: exploration, enhancement and productivity
- Drilling and Downhole Advancements: oil & gas laterals, geothermal hydroshearing
- Engineering Techniques: heat extraction, technology
- Novel Applications: deep direct use for utilities or buildings, micro to macro generation
- Case Studies and Planned Project Discussions: approaches, challenges, solutions

Submit your abstract to geothermal@smu.edu by **Friday October 13, 2017** and include:

- Author name(s)
- Organization name(s)
- Presentation title
- Abstract, 1-2 pages
- Prefer oral presentation, poster session or panel discussion?
- Bio of presenter
- Photo of presenter

Contact Maria Richards at mrichard@smu.edu for more information or to discuss your topic.

- **Registration** - [register now](#) for the conference.
- **Sponsorship** - Contact Cathy Chickering Pace, catherine@smu.edu or 214-768-1510, to find the [sponsorship level](#) that is right for your company.

- **Conference information** – visit our [website](#), follow us on [Twitter](#) and [Facebook](#), or send us an email at geothermal@smu.edu.

SMU Geothermal Laboratory Notes

Congratulations to **Rahmi “Mert” Bolat** on the successful defense of his Master’s Thesis titled “Explaining Creep-Like Deformation in the Marmara Sea: Results from Avo-Derived Vp/Vs & Pore Pressure Analysis”. Good luck at your job back in Turkey!

The SMU Geothermal Lab is proud to be part of the team, led by National Renewable Energy Laboratory (NREL), which will study **geothermal Deep Direct-Use in East Texas power plants**. This study is one of six funded by the US Department of Energy to study Deep-Direct Use (DDU). More information:

<https://www.nrel.gov/news/program/2017/nrel-geothermal-deep-direct-use-east-texas.html> and <https://energy.gov/eere/articles/energy-department-announces-4-million-geothermal-deep-direct-use-feasibility-studies>.

Maria Richards will be at the **GRC Annual Meeting** and the **GEA GEOEXPO+** in Salt Lake City October 1-4, 2017. Say hi and give her an update when you see her there! More information:

<https://geothermal.org/meet-new.html> and <http://geothermalexpo.org/>.

Joe Batir will be speaking on geothermal energy in Texas at the **Texas Energy Summit – CATEE 2017** being held **November 13-15, 2017** in Plano, Texas. Registration rates for the event have been extended due to Hurricane Harvey. More information: <https://catee.tamu.edu/>.

Matt Hornbach, Maria Richards and **Ian Richards** led a very successful field trip studying the geology of Western U. S. National Parks with graduate and undergraduate students in June. SMU Alumni **Shari** and **Rick Kelley, Fransiska Dannemann**, and **Tessa Hermes** joined them while in Los Alamos and the Jemez Caldera National Preserve. Let us know if you want to be included in next year’s trip planning based from Taos, New Mexico!

Congratulations

Congratulations to **Don Erickson** of Energy Concepts on the installation of two hundred and fifty tons of subfreezing refrigeration at a dairy processing plant in Atwater, California that is powered by **engine waste heat**. More information on Energy Concepts: <http://www.energy-concepts.com/index.html>.

Congratulations to **Turboden’s** first Geothermal Power Plant in the U.S.! The 14 MWe geothermal ORC unit is sold to Cyrq Energy in Hidalgo County, New Mexico.

Job Opening

ZMetropolis, LLC, a start-up from New York, has a **job opening** for a project manager to oversee contractors for future geothermal energy development projects. For more information contact Zeeba Rasheed at zeeba@zmetropolis.com.

Geothermal News and Notes

C-FER Technologies is featured in a recent **Journal of Petroleum Technology** article which discusses using the heavy-oil technique of steam-assisted gravity drainage (SAGD) to improve geothermal power production. More information: <https://www.spe.org/en/jpt/jpt-article-detail/?art=3225>.

SMU Geothermal Lab Equipment for Sale or Lease



Deep Well Logging Slickline and Trailer (\$10,000 or best offer + shipping)

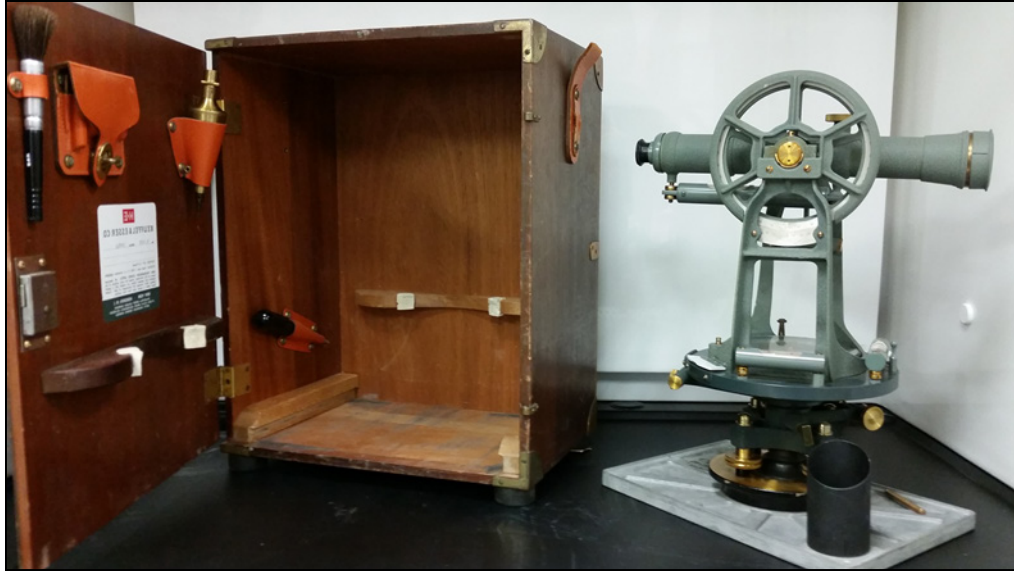
- 1991 SMU logging trailer (built by International Marketing Company, Tulsa, OK)
- 15,000 feet of .092" diameter of 18-18-2 stainless steel slickline.
- International Marketing Company Model Universal U15-GE winch system.
- 2000 PSI hydraulic system
- ONAN P 218 G-1 Gasoline Engine
- Universal Measuring Device mounted
- T-102DA Dual Axle all metal

Analog conductive line >9,000 feet (\$3000 or best offer + shipping)

- Custom built temperature probe sends a pulse up the wire
- Gearhart Owen winch system.
- Inside a 1993 Ford Logging Van - needs repairs before being road worthy.

Various related tool (need updating)

- 1" and 1 3/8" temperature tools 48" long
- 1 3/4" gamma-SP-RES, , resistance, pressure 48" long
- bow spring centralizers
- 1 11/16" tool sinkers



Keuffel & Esser Surveying Equipment (\$1000)

- 1966 Transit, wooden map board, and tripod
- Excellent condition, looks new
- Serial # 199843

Pass this information along to others you know who may be interested and email geothermal@smu.edu with any questions.

Geothermal Heat Pump News and Notes

IGSHPA has issued a **Call for Abstracts** for their 2018 Conference and Expo "Better Together" in Orlando, Florida, March 27-28, 2018. Abstracts are due **September 30, 2017**. More information:

<https://igsghpa.org/conference>.

Austin, Texas has a new home development project, **Whispering Valley**, now open with every dwelling an Eco-Smart Certified Home, including a geothermal heating and cooling system. Learn more about this project and the development team of Taurus Investment Holdings, Eco-Smart and Geo-Enterprises at <http://www.whispervalleyaustin.com/>.

Other Event Details

Registration is open for the National Renewable Energy Laboratory workshop **Nexus of Oil & Gas and Renewables in the Energy Future, September 27-28, 2017** in Golden, Colorado. More information:

<http://www.gotcp.net/sept-27-colorado>.

AAPG ACE has issued a **Call for Abstracts** for their meeting on May 20-23, 2018 in Salt Lake City, Utah. Geothermal is included in Theme 6: Geophysics and Theme 9: Energy Innovation. Abstracts are due **October 12, 2017**. More information: <http://ace.aapg.org/2018/>.

The **Geological Society of America** Annual Meeting on October 22-25, 2017 in Seattle, Washington will include a geothermal session, “**T80. Geothermal Energy**”. More information: <http://community.geosociety.org/gsa2017/home>.

TREIA announced that former Vice President **Al Gore** will be the Keynote and their GridNEXT conference, **October 23-24, 2017** in Georgetown, Texas. More information: <http://www.treia.org/agenda-2017>.

Resources for Future Generations (RFG2018) has issued a **Call for Abstracts** for their conference on June 16-21, 2018 in Vancouver, Canada. Abstracts are due **January 15, 2018**. More information: <http://www.rfg2018.org/>.

Calendar

September 27-28, 2017 - NREL workshop **Nexus of Oil & Gas and Renewables in the Energy Future**, Golden, Colorado. More information: <http://www.gotcp.net/sept-27-colorado>.

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/>.


October 18-20, 2017 - **Caribbean Renewable Energy Forum**, Miami, Florida. More information: <http://newenergyevents.com/cref/>. CARILEC is accepting donations to assist utility linemen with hurricane relief. Donate at <http://www.carilec.org/ckfinder/userfiles/files/DisasterRelief.pdf>.

October 22-25, 2017 – GSA Annual Meeting session **T80 Geothermal Energy**, Seattle, Washington. More information: <http://community.geosociety.org/gsa2017/home>.

November 13-15, 2017 - **Texas Energy Summit – CATEE 2017**, Plano, Texas. More information: <https://catee.tamu.edu/>.

November 13-15, 2017 - **Geothermal Technologies Office Peer Review**, Denver, Colorado. More information: <http://doe.bcsevents.us/2017GTOPeerReview>.

November 22-24, 2017 - **39th New Zealand Geothermal Workshop**, Rotorua, New Zealand. More information: <http://www.geothermalworkshop.co.nz/>.

 **January 10-11, 2018** - **SMU Power Plays** conference. [Registration](#) is open. [Abstracts](#) due October 13, 2017. [Sponsorship](#) opportunities available. More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>.

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

Suggestions for an upcoming newsletter? Email geothermal@smu.edu
To unsubscribe, email geothermal@smu.edu