



SMU | GEOTHERMAL
LABORATORY

Welcome to the SMU Geothermal Lab newsletter for January. Here's to a great year! This month includes a list of highlighted resources available from the SMU Geothermal Lab. Watch for additional geothermal and geothermal heat pump resources in upcoming newsletters. We are pleased to introduce two new leaders in our Geothermal News section.

Time to raise funds for the lab, therefore please consider becoming a sponsor or donor, remember us for your next grant application, and if you have other suggestions, let us know.

2016 SMU Geothermal Lab Power Plays Conference



Time to get your abstract in for our upcoming conference, *Power Plays: Geothermal Energy in Oil and Gas Fields*, April 25-26, 2016 on the SMU campus in Dallas, Texas. Want to discuss your topic? Contact Maria Richards at mrichard@smu.edu or 214-768-1975.

- **Call for Abstracts** – send in your abstract for an oral or poster presentation by Friday **February 5, 2016**. Don't forget to **forward this to your colleagues!** Guidelines: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/CallForAbstracts>.
- **Sponsorship** – there are opportunities for conference sponsorship with the gold level at \$7500. The Geothermal Lab outreach and student research are covered by sponsors. You can also contribute any amount through SMU Gifts. Contact Cathy Chickering Pace at catherine@smu.edu or 214-768-1510. More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/Sponsorship>.
- **Registration is open** for the conference and Geothermal 101 workshop on **April 25 -26, 2016** on the SMU campus in Dallas, Texas. More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/Registration>.

SMU Geothermal Laboratory Notes

Thank you to **Susan Petty** of AltraRock Energy, Inc. for nominating Maria Richards for a **2016 Clean Energy Education & Empowerment (C3E) Award** in the Education category. The goal of the C3E Awards is to advance the work and increase the visibility of emerging women leaders in the clean energy sector. More information: <http://c3eawards.org/>. To join the C3E online community for women working in clean energy, visit <http://c3enet.org/>.

Geothermal News and Notes

Congratulations to **Allie Nelson**, the new Geothermal News and Communications Specialist at the **Geothermal Energy Association (GEA)**. Allie comes into the position with a passion for the renewable energy field and a background in conservation, communications, and editorial work. She previously worked at several environmental nonprofits, publicizing a wide range of topics from tropical conservation to anti-poaching initiatives, and is excited to step into the field of geothermal energy. Since she was young, Allie has been fascinated by the natural world and how it supports human life, creating energy that can be tapped into in a myriad ways. Interested in sustainability and the rapidly changing energy landscape, she hopes to make a difference by covering the latest news in geothermal technology and developments while spreading awareness of the numerous opportunities in this ever-growing field. If you have any leads, questions, or concerns for GEA, feel free to send them to her at allie@geo-energy.org.

Congratulations to **Daren Zigich** on his new position with **New Mexico Energy, Minerals and Natural Resources Department**. Daren is restarting the Geothermal Working Group in New Mexico, and is exploring the energy storage market. He is looking to connect with the geothermal industry, local utilities and everyone interested in geothermal energy in New Mexico. Contact Daren at darenk.zigich@state.nm.us.

There is still time for your favorite **high school or university student team** to enter the **Geothermal Design Challenge 2016** from the U.S. Department of Energy Geothermal Technologies Office in partnership with the Center for Advanced Energy Studies and the Idaho National Lab. Infographics that illustrate how geothermal energy is clean, safe, reliable and sustainable are due **March 1, 2016**. More information: <https://caesenergy.org/geothermaldesign/>.

Geothermal Heat Pump News and Notes

The **Geothermal Exchange Organization** is working tirelessly to secure an extension of IRS Sec. 45a **tax credits** for commercial geothermal heat pumps which were left out of the recent Omnibus spending bill. Keep up with their continued efforts at <https://www.geoexchange.org/>.

This Month's Highlighted Resources

SMU Geothermal Lab Resources

- Temperature at depth (3.5 to 10 km) maps, high resolution images available for purchase <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/DataMaps/TemperatureMaps>
- Geothermal Map of North America in GIS format <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/DataMaps/GeothermalMapofNorthAmerica>
- SMU Node of the National Geothermal Data System, we can assist with your NGDS projects and data extraction and synthesis <http://geothermal.smu.edu/gtda/>
- Thermal conductivity analysis of core or crushed rock samples, discuss your project with us <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/LabResearch/ThermalConductivity>

- Temperature logging including a temperature-depth curve tutorial
<http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/LabResearch/TemperatureLogging>
- Conference past presentations are downloadable,
<http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/PastPresentations>
- Oil and gas wells for geothermal energy generation
<http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/LabResearch/OilandGas>
- Technology list for generating geothermal energy from oil and gas wells
<http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/LabResearch/OilandGas/TechnologyList>
- Geothermal heat pump information for residential and commercial properties
<http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/HeatPumps>

Other Event Details

The **European Geoscience Union General Assembly 2016** includes a session titled Uncertainties in Geothermal Systems, ERE3.5. The meeting is April 17-22, 2016 in Vienna, Austria. More information: <http://egu2016.eu/home.html>.

Early bird registration ends January 15, 2016 for the Geothermal Energy Associations' 2016 US and International **Geothermal Energy Showcase**, to be held March 17, 2016 in Washington, DC. More information: http://geo-energy.org/2016_International_Geothermal_Showcase.aspx.

Calendar

February 16 - 19, 2016 - UT Energy Week, Austin, Texas. More information: <http://energyweek.utexas.edu/>.

February 22-24, 2016 - Stanford Geothermal Workshop, Stanford, California. More information: <https://earth.stanford.edu/researchgroups/geothermal/stanford-geothermal-workshop>.

February 24-25, 2016 - Powering Onshore Oil & Gas Facilities 2016, Houston Texas. A 15% registration discount is available to friends of the SMU Geothermal Lab at PE16SMU. More information: <http://www.onshore-facilities-power.com/>.

March 17, 2016 – Geothermal Energy Association's International Geothermal Energy Showcase, Washington, DC. More information: http://geo-energy.org/2016_International_Geothermal_Showcase.aspx.

April 17-22, 2016 - European Geoscience Union General Assembly 2016, Vienna, Austria. More information: <http://egu2016.eu/home.html>.

☺ **April 25-26, 2016 – SMU Geothermal Lab *Power Plays: Geothermal Energy in Oil and Gas Fields*** conference and workshop, SMU campus in Dallas, Texas. We are looking for [sponsors](#) and [speakers](#). More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>.

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