



Welcome to the SMU Geothermal Lab newsletter for May. A special Welcome to all the new members of the newsletter list. This month we have 4 congratulations, a presentation on oil and gas bankruptcies, and a map of ORCs around the world. If you have news or items you would like to share in an upcoming newsletter, email them to [geothermal@smu.edu](mailto:geothermal@smu.edu).

### SMU Geothermal Laboratory Notes

The SMU Geothermal Laboratory is happy to announce we are now part of the **Environmentally Friendly Drilling Systems Program Alliance**. See all the alliance partners at <http://efdsystems.org/index.php/alliance/>. Learn more about EFD research, testing and training at <http://efdsystems.org/index.php/>.

Matt Hornbach and Maria Richards are leading a field trip in June for SMU students to collect data in eastern Colorado, Wyoming and along the continental divide into Montana. They will be logging temperature in wells and teaching students how to determine heat flow.

**Thank you** to all those who attended our **2016 Power Plays conference**. Starting with the Opening Reception and Poster Session on Monday evening, and continuing with a wide variety of oral presentations on Tuesday led to lively questions - discussions between presentations and positive comments on the networking success.

A suggestion from the evaluations, becomes a request for YOU too. **“Find operators to come and talk about their challenges, the problems they face in the current environment, and their strategies for increasing renewables.”** Help us connect with Operators! This year there were more attendees from the oil/gas sector than geothermal for the first time.

Congratulations to **Continental Resources – Access Energy – UND** for turning on the power switch to generate electricity at their ND water flood project as **Will Gosnold** was presenting the project to the attendees! Truly a triumph of will power and determination by all.

Much Appreciation for our sponsors who help make the conference possible: **Anadarko Petroleum Corporation, Deep River Group, InnerGeo LLC, SMU Maguire Energy Institute, Society of Petroleum Engineers, Blade Energy Partners, Electric Power Engineers, Exergy S.p.A., Geo Energy Marketing Services, GeoEnergy Partners LLC, HARC, Industrial Builders, SedHeat, and Perma Works**. A special thank you to Patrick Hanson of Geo Energy Marketing Services for marketing and social media expertise.

A list of the **2016 presenters** is available at <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/2016Presenters>. See a presentation of interest? Email [geothermal@smu.edu](mailto:geothermal@smu.edu) for more information.

Presentations from the 2015 Power Plays conference are now available on our website for everyone at <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/PastPresentations>.

## Congratulations

Congratulations to **Koenraad Beckers** on completion of his PhD at Cornell University. Good luck with your Post-doc at NREL! Read about his research on Techno-Economic Modeling of Low-Grade Geothermal Energy Systems at [https://jeff-tester.cbe.cornell.edu/research/koenraad\\_beckers\\_research.html](https://jeff-tester.cbe.cornell.edu/research/koenraad_beckers_research.html).

**Congratulations** to **ElectraTherm** on the commissioning of a **Geothermal District Heating System** in Beppu, Japan. More information: <https://electratherm.com/electratherm-power-generator-commissioned-in-japan-on-geothermal-district-heating-system/>.

**Congratulations** to **AltaRock Energy** for making the 50 Most Innovative New Renewable Energy Companies list compiled by Company Energy. More information: <https://companyenergy.org/the-50-most-innovative-new-renewable-energy-companies/>.

Congratulations to **Will Gosnold** of **UND** in taking two gold medals and one silver medal at the 2016 Nationwide USMS Spring National Championship in April!

## Geothermal News and Notes

**Camisha Simmons** of Simmons Legal PLLC gave a presentation titled **Unique Issues Involved in Oil and Gas Bankruptcies and Restructurings** at the Women's Energy Network at the Dallas Petroleum Club in April. View her presentation at <https://www.youtube.com/watch?v=-GAZu0FdxM> . More information: <http://www.simmonslegal.solutions/home.html>.

Alberta Oil has a story on Canada's first **abandoned oil well-to-geothermal conversion project** at the Ludec #1 Energy Discovery Centre in Devon, Alberta. Read more at: <http://www.albertaoilmagazine.com/2016/04/alberta-site-canadas-first-abandoned-oil-well-geothermal-conversion/>.

Ithaca Public Radio has recorded a story on the **Geothermal Play Fairway Analysis** project in the Appalachian Basin headed up by Cornell University. Listen at: <http://www.wrfi.org/2016/05/03/dr-teresa-jordan-exploring-potential-for-geothermal-energy-in-ny-may-3rd-2016/>.

The **Senate** has passed a bipartisan **Energy Bill** on April 20, 2016. The bill includes language to add WHP to the federal definition of renewables. The bill will now go to conference with the House. More information: <http://www.energy.senate.gov/public/index.cfm/featured-items?ID=95FD86B7-FEC7-4EF8-AB0F-CAA040A0198C>.

Interested in seeing where **ORCs** are located around the world? Check out this **map**: <http://orc-world-map.org/>.

The Department of Energy's Southwest CHP Technical Assistance Partnerships has an **archive** of webinars, workshops and events available at <http://www.southwestchptap.org/events-archive>.

**Geothermal Energy** invites submission of **articles** ranging from geological, geophysical, and geochemical studies, to approaches to achieve robust and economic plant operation. More information:

<http://geothermal-energy-journal.springeropen.com/>.

### Geothermal Heat Pump News and Notes

**IGSHPA** has opportunities across North America for **training or accreditation** including workshops in Oklahoma, New York, and Utah along with online classes. More information:

[http://www.igshpa.okstate.edu/training/training\\_events.asp](http://www.igshpa.okstate.edu/training/training_events.asp).

### Other Event Details

The Department of Energy's Southwest CHP Technical Assistance Partnerships will be leading a **webinar** today (**May 24**) on the opportunities and applications of **CHP in the oil field** on **May 24, 2016** at 2 pm Central Time (missed it? No worries, it's available online). More information:

<http://www.southwestchptap.org/event?EventID=1333>.

The American Rock Mechanics Association (ARMA) invites you to its 50<sup>th</sup> US Rock Mechanics/ Geomechanics Symposium in Houston, Texas on June 26-29, 2016. Included is a **SedHeat** Workshop by **John Holbrook's** group on Successful Engineering of Sedimentary Geothermal System. **Early registration ends May 26**. For more details: <http://armasymposium.org/registration>.

**Registration is open** for **IGC Turkey 2016** geothermal conference to be held **June 6-8, 2016** in Izmir, Turkey. The 3-day conference is followed by a field trip to geothermal power plants in the region. More information: <http://igc-turkey.com/>.

**Abstracts** are being accepted for the **38<sup>th</sup> New Zealand Geothermal Workshop** to be held November 23-25, 2016 in Auckland, New Zealand. This year's theme is Innovation. Abstracts are due **June 7, 2016**. More information: <http://www.geothermalworkshop.co.nz/>.

### Calendar

**May 24, 2016 - Webinar on CHP in the oil field**, 2 pm Central Time. More information:

<http://www.southwestchptap.org/event?EventID=1333>.

**May 26, 2016 - RPSEA workshop** "Interactive Workshop Focusing on Emissions from Unconventional Resources Development Activity", Denver, Colorado. More information: <http://www.rpsea.org/events/514/>.

**June 6-8, 2016 - IGC Turkey 2016**, Izmir, Turkey. More information: <http://igc-turkey.com/>.

**June 7-8, 2016 - Geothermal Energy Association's Baseload Renewable Energy Summit**, Reno, Nevada. More information: <http://geo-energy.org/NationalGeothermalSummit/Main.aspx>.

**June 18 – July 2** – SMU Geothermal Lab in the field collecting temperature data.

**June 20-24, 2016 - National Geothermal Academy short course**, University of Nevada, Reno. More information: <http://www.gbcge.org/education-NGA.php>.

**June 26-29** - American Rock Mechanics Association (ARMA) **50<sup>th</sup> US Rock Mechanics/ Geomechanics Symposium**, Houston, Texas. More information: <http://75.103.81.34/>.

**October 16-21, 2016** - **SEG Annual Meeting**, Dallas, Texas. More information: <http://seg.org/Events/Annual-Meeting>.

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

**23-25 November 2016** - **38<sup>th</sup> New Zealand Geothermal Workshop**, Auckland, New Zealand. More information: <http://www.geothermalworkshop.co.nz/>.

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