



Welcome to the SMU Geothermal Lab newsletter for September. This month we news from our SMU researchers in the Beaufort Sea, three congratulations and lots of upcoming events.

### SMU Geothermal Laboratory Notes

Our research team is currently collecting heat flow and chirp data in the Beaufort Sea off Alaska. Dr. Matt Hornbach, graduate students Madie Jones and Casey Brokaw along with Dr. Rob Harris and Dr. Ben Phrampus of OSU are aboard the research vessel Norseman II. They have a 97% collection success rate even with high winds, freezing rain, polar bears and whales to keep them moving for safe passage by all. Read about their research and adventures on the SMU Geothermal Lab Blog at

<https://blog.smu.edu/geothermallab/2016/09/19/smu-scientists-collecting-heat-flow-and-chirp-data/>.



Casey Brokaw and Madie Jones preparing the chirp transducer, Norseman II, Beaufort Sea.



Dr. Matt Hornbach collecting a mud sample from the heat flow probe, Norseman II, Beaufort Sea.

### Donations to the Lab

The SMU Geothermal Laboratory gratefully accepts donations in support of our geothermal research, education and outreach. Visit our new SMU Giving page to make a donation:

<https://sites.smu.edu/apps/giving/Geothermal.asp>. To become a Major Donor, contact the Dedman College Development Office, Mary Lynn Amoyo at 214-768-9202. Thank you!

## Congratulations

*Congratulations* to winners of the **2016 Geothermal Resources Council Scholarships**, Chantel Jensen from the University of California, Davis, Jon Golla from the University of Puget Sound, Erin Camp from Cornell University, Jeff Cullen from the University of Texas at Austin, and Gudni Rosenkjaer from the University of British Columbia. More information: <https://www.geothermal.org/students.html>.

*Congratulations* to **Sandia National Laboratories** and **University of Utah** on receiving DOE funding for **Frontier Observatory for Research in Geothermal Energy (FORGE)**. This project which will create an underground laboratory to conduct cutting-edge research on enhanced geothermal systems (EGS). More information: <http://energy.gov/eere/forge/forge-home>.

*Congratulations* to **Donn Penn** and his team for receiving a Judges Choice Award for their **Climate Mitigation Plan at MIT**. Read more about their proposal which includes Geothermal Heat Pumps at <http://climatecolab.org/contests/2016/mit-climate-mitigation-solutions/c/proposal/1329510>.

## Geothermal News and Notes

**Teachers** - We have added a geothermal module for Middle School students to the list of teacher resources on our website. Check out all the teaching resources available at <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/OutreachEducation/TeacherMaterials>.

## Geothermal Heat Pump News and Notes

There is still time to submit an **abstract** for the 2017 **IGSHPA Technical/Research Conference and Expo** March 14-16, 2017 in Denver, Colorado. Abstracts are now **due by September 23, 2016**. More information: <http://www.igshpa.okstate.edu/conf/presentations.asp>.

The next **IGSHPA Accredited Installer Workshop** will be held **October 19-21, 2016** in Stillwater, Oklahoma. More information: <http://www.igshpa.okstate.edu/training/accredited.asp>.

## Job Opening

The **University of Utah** has a job opening in **Energy Geoscience**. The job will be split between the Department of Geology and Geophysics at the Associate Professor or Professor level and the Energy & Geoscience Institute as a Senior Research Scientist. More information: <http://www.earth.utah.edu/>.

## Other Event Details

**Houston Renewable Energy Network** is hosting a **breakfast forum** titled The Next Stage of Growth for Wind and Other Renewables: The Promise and Challenge of Scale on Friday, **September 30, 2016**. More information: <http://houstonrenewables.org/events/>.

**Registration** is open for the second **Earth Wind and Fire Energy Summit, October 22-23, 2016** in Addison, Texas. The two-day conference will feature academicians and industry leaders speaking on

fracking and earthquakes, alternative energy sources and conventional energy sources, focusing on Texas. More information: <http://earthwindfiresummit.org/>.

**Registration** is open for the **GridNEXT Conference** hosted by TREIA, focusing on the new business models, technologies and grid modernization initiatives needed to grow the renewable energy industry in Texas and across the U.S., Georgetown, Texas, **November 9 – 11, 2016**. More information: <http://www.treia.org/conference/>.

**Applications** are being accepted for the 2017 National Renewable Energy Laboratory's (NREL) **Industry Growth Forum**, April 13-14, 2017, in Denver, Colorado. Applications **due December 2016**. More information: <http://www.nrelforum.com/Home>.

The **Clean Air Through Energy Efficiency (CATEE)** Conference, hosted by Texas A&M Energy Systems Laboratory, will include **renewable energy** at this year's event **December 19-21, 2016** in San Antonio, Texas. Conference information: <http://catee.tamu.edu/home>.

**Save the Date** for the **Latin America Symposium** at the GeoTHERM Expo and Congress, **February 14-15, 2017**, Offenburg, Germany. Insights into the Latin American geothermal market, resources, research activities, risk mitigation mechanisms and technology transfer opportunities will be provided. More information: [http://www.geotherm-germany.com/en/side\\_events](http://www.geotherm-germany.com/en/side_events).

## Calendar

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

**October 22-23, 2016 - Earth Wind and Fire Energy Summit**, Addison, Texas. More information: <http://earthwindfiresummit.org/>.

**October 23-26, 2016 - GRC Annual Meeting & GEA GEOEXPO+**, Sacramento, California. More information: <http://www.geothermal.org/> and <http://geothermalexpo.org/>.

**October 25, 2016 - Direct Use Networking Event**, Sacramento, California. More information: <http://iea-gia.org/international-direct-use-networking-event/>.

**November 9-11, 2016 - TREIA's GridNEXT conference**, Georgetown, Texas. Book your hotel by October 14, 2016 to take advantage of the group rate. More information: <http://www.treia.org/conference/>.

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

**December 6-8, 2016 - Groundwater Week**, Las Vegas, Nevada. More information: <http://groundwaterweek.com/>.

**December 13-15, 2016 – Power-Gen – Renewable Energy World International**, Orlando, Florida. More information: <http://www.rewintl.com/index.html>.

**December 19-21, 2016 - Clean Air Through Energy Efficiency (CATEE) Conference, San Antonio, Texas.**  
More information: <http://catee.tamu.edu/home>.