



Welcome to the SMU Geothermal Lab newsletter for March. In this newsletter we have news on Maria Richards along with information on student internships, funding opportunities, training classes and upcoming events.

### SMU Geothermal Laboratory Notes

*Congratulations* to **Maria Richards** of the SMU Geothermal Lab on being elected President-Elect of the Geothermal Resources Council (GRC) Board. Maria will become the 26<sup>th</sup> President of GRC when her term begins in January 2017. Well done Maria! More information:

[http://www.geothermal.org/PDFs/News\\_Releases/2015/February\\_9-Geothermal\\_Resources\\_Council\\_Announces\\_President-Elect.pdf](http://www.geothermal.org/PDFs/News_Releases/2015/February_9-Geothermal_Resources_Council_Announces_President-Elect.pdf).

*Congratulations* to **Maria Richards** of the SMU Geothermal Lab on being a 2015 Named Board Member for the Texas Renewable Energy Industries Alliance (TREIA). See the full board at

<http://www.treia.org/board-of-directors--staff> .

It is time to take advantage of **early bird registration rates** for the SMU Geothermal Lab Conference,

**Power Plays: Geothermal Energy in Oil and Gas Fields**, held on the SMU Campus May 18-20, 2015.

Presenters are now listed on the [2015 Presenter](#) page. Look for our ads in the AAPG Explorer and SEG

The Leading Edge. Send this information on to two others and assist us in marketing. For additional

information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>.

- **Attendees.** Register now to take advantage of the early bird conference rates, and to secure your spot in the workshop. Register at <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/2015Registration>.
- **Presentations request:** Research on *reservoir micro fluid flow pathways* is topic we'd like to have for a talk. Other ideas welcome too, send in your abstract/bio and we'll fit you into the oral or poster session where possible. See the current list of presentations online. Guidelines are available at <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/CallForAbstracts>.
- **Sponsorship.** Become our Gold Sponsor at \$7500! Thanks to all our Supporting Sponsors who are now listed on the website. More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference/Sponsorship>.

### Congratulations

*Congratulations* to **Helidyne** for passing preliminary inspection of their units for Pemex. Read more at

[http://www.suindependent.com/news/id\\_7977](http://www.suindependent.com/news/id_7977).

*Congratulation* to the **Geothermal Energy Assoc. (GEA)** for the success of their annual **State of the Geothermal Energy Industry Briefing** February 24 in Washington D.C. If you missed this leadership packed event, subscribe to their Geothermal Energy Weekly e-letter or GeoEnergyWire at <http://geo-energy.org/>.

*Congratulations* to **Graeme Beardsmore** of Hot Dry Rocks Pty Ltd. on his 99<sup>th</sup> newsletter covering the Australian geothermal sector. You can follow Graeme's updates on twitter @HotDryRocks, and read his final newsletter soon at [http://www.hotdryrocks.com/component/option,com\\_docman/Itemid,119/](http://www.hotdryrocks.com/component/option,com_docman/Itemid,119/).

*Congratulations* to the **Senate Finance Committee** for approving the 10% investment tax credit (ITC) for Waste Heat to Power (WHP). The bill will go the Senate floor next. More information: <http://www.carper.senate.gov/public/index.cfm/pressreleases?ID=0285bb22-b40d-4fca-b0f2-38207f4a9b72>.

*Congratulations* to **CanGea** for the article "Geothermal Industry reaches out to out-of-work oil drillers" in Corporate Knights Feb. 19, 2015 <http://www.corporateknights.com/channels/utilities-energy/geothermal-industry-reaches-work-oil-drillers/>. For more details about CanGeo their website is <https://www.cangea.ca/>.

### Job Opening

The **Geothermal Resources Council (GRC)** has a list of student **internships** available on their website at <http://www.geothermal.org/internships.html>. Included in the list is an opening at Calpine for a **Performance Engineering Intern** at the Geysers in Middleton, California. More information: [http://www.geothermal.org/PDFs/Performance\\_Engineering\\_Intern-Geysers-2015.pdf](http://www.geothermal.org/PDFs/Performance_Engineering_Intern-Geysers-2015.pdf).

### Opportunities for Grant Money

The **Southeast Alaska Power Agency** is soliciting **proposals** from firms interested in providing initial planning guidance, surface investigation, surface sampling, geochemical analysis of surface waters and materials, and preliminary geothermal conceptual modeling of Bell Island Hot Springs. Proposals are due **March 6, 2015** at 4:00 p.m. AKST. The Request for Proposals can be accessed through the GEA website at <http://geo-energy.org/Newsletter/2015pdfs/Bell%20Island%20Geothermal%20Evaluation%20RFP.pdf>.

The **Department of Defense** environmental research programs SERDP and ESTCP **solicit proposals** annually. Their website offers details on the solicitations issued, along with webinars. More information: <https://www.serdp-estcp.org/>.

### Wish List

We have information from a PhD student who is looking for a Postdoc position.

My name is **Nan Zhang, PhD candidate in Geotechnical Engineering** working with Dr. Puppala and Dr. Yu from University of Texas at Arlington. I will graduate in August this summer. I am looking for a postdoc position starting from Fall 2015. My research interests include thermo-TDR sensor and its application in simultaneous measurement of soil thermal properties, moisture content and dry density; soil thermal conductivity model; design and fabrication of moisture/suction TDR sensor. I am also so interested in utilization of geothermal energy and the design of geothermal related structures such as

energy piles, borehole thermal energy storage, etc. My email address is [zhangnanvictor47@hotmail.com](mailto:zhangnanvictor47@hotmail.com) and phone number is 469-703-0844.

## Geothermal News and Notes

The **U.S. Department of Energy Budget Roll-Out Webinar for FY 2016** is this **Thursday March 5**, 2:30 - 3:30 pm (EST). To participate register through <https://www1.gotomeeting.com/register/113611809>.

Join the one day workshop **Advances in Geothermal Direct Use** on **Wednesday, March 18** hosted by the **National Renewable Energy Laboratory** with **Colorado School of Mines**. The goal is to help the nation to expand its use of the Earth's natural heat (or cooling) for applications to reduce the grid electrical load. Topics cover Net Zero Energy Campuses, new technologies, Deep Direct Use, projects for the fluid temperature range of 40 to 150°C. Learn more or register online at <http://csmospace.com/events/geothermdirect/>

The **International Heat Flow Commission** has published their **global heat flow dataset** in the AAPG Open-File GIS library. Data are available as KMZ Files, Layer Packages, and Shape Files. Check out all the data in the Global Framework section at <http://datapages.com/AssociatedWebsites/GISOpenFiles.aspx>.

The Department of Energy's **Federal Energy Management Program (FEMP)** has developed free, online **educational resources**. You can search their available classes by topic, format, etc. More information: <http://energy.gov/eere/femp/training>.

The **Geothermal Resources Council (GRC)** is looking for student volunteers for the **2015 Student Committee**. Email Anh Lay at [alay@geothermal.org](mailto:alay@geothermal.org) for more information. Thanks to the 2014-2015 Student Committee:

- Anna Crowell (President) - University of North Dakota
- Andrés Ruzo - Southern Methodist University
- Berkley Forbes - Northern Arizona University
- Caitlin Hartig - University of North Dakota
- Erin Camp - Cornell University
- Ethina Amer-Yahia - Colorado School of Mines
- James Crowell - University of North Dakota
- James Hootsmans - Texas A&M University
- Koenraad Beckers - Cornell University
- Stefano Benato - University of Nevada, Reno

## Geothermal Heat Pump News and Notes

The **Colorado Collaboration for Subsurface Research in Geothermal Energy (Colorado SURGE)** is hosting a free **workshop** on geothermal direct use applications on **March 18, 2015** in Golden, Colorado. More information: <http://csmospace.com/events/geothermdirect/>.

**HeatSpring** is a great resource for Geothermal Heat Pump tools and training classes, many of which are free. More information: <https://www.heatspring.com/>.

## Event Details

**IRENEC 2015**, the 5<sup>th</sup> International 100% Renewable Energy Conference, has issued a **Call for Papers**. The conference will be held in May 28-30, 2015 in Istanbul, Turkey. Abstracts are due **March 15, 2015**. More information: <http://www.ire nec2015.com>.

**Save the Date** for the 10<sup>th</sup> Annual **Renewable Energy Fair** at Chena Hot Springs Resort, Fairbanks, Alaska, on August 16, 2015. More information: <http://www.chenahotsprings.com/upcoming-events/>.

## Calendar

**March 16-18, 2015 - Third Annual Conference for the Development and Utilization of Geothermal Energy**, Beijing, China. For more details contact Kewen Li at [kewenli@stanford.edu](mailto:kewenli@stanford.edu).

**April 11-14, 2015 - 2015 Southwest Section of the AAPG Annual Convention**, Wichita Falls, Texas. More information: <http://www.ntgeologicalsociety.org/2015-southwest-section-of-aapg-convention/>.

**April 19-24, 2015 – World Geothermal Congress**, Melbourne, Australia. More information: <http://wgc2015.com.au/>

**May 11-15, 2015 - Geothermal Technologies Office Peer Review**, Westminster, Colorado. More information: <http://www.energy.gov/eere/geothermal/events/2015-gto-peer-review>.

**May 18 – 20, 2015 - SMU Geothermal Lab *Power Plays: Geothermal Energy in Oil and Gas Fields***, SMU Campus, Dallas, Texas. [Registration](#) is open. Become a [sponsor](#) and a [speaker](#)! More information: <http://www.smu.edu/Dedman/Academics/Programs/GeothermalLab/Conference>.

**May 28-30, 2015 - IRENEC 2015** 5th International 100% Renewable Energy Conference, Istanbul, Turkey. More information: <http://www.ire nec2015.com>.

**June 3-4, 2015 - Geothermal Energy Assoc.**, National Geothermal Summit, Reno, NV. More information: <http://geo-energy.org/>.

**August 16, 2015 - 10th Annual Renewable Energy Fair** at Chena Hot Springs Resort, Fairbanks, Alaska. More information: <http://www.chenahotsprings.com/upcoming-events/>.