



Welcome to the May 2019 newsletter from the SMU Geothermal Lab. In this newsletter we have congratulations, summer events, and a census of Australian geothermal projects.

Congratulations

Congratulations to **GreenFire Energy** on completing construction of the first field-scale demonstration of **closed-loop geothermal power generation**. Testing of the demonstration at the Coso Geothermal Field has begun. More information: <http://www.greenfireenergy.com/first-field-scale-demonstration.html>.

Geothermal News and Notes

The U.S. **Department of Energy** announced up to **\$5.5 million** for 10 new projects to apply **machine learning techniques** to geothermal exploration and production. See a list of the selected projects at <https://www.energy.gov/eere/articles/energy-department-awards-55-million-apply-machine-learning-geothermal-exploration>.

Dr. Jacek Majorowicz has an article titled “Deep geothermal energy in Canadian sedimentary basins VS. Fossils based energy we try to replace – Exergy [KJ/KG] compared” in *Renewable Energy*. He presents an assessment of the **geothermal heating versus geothermal power potential** of Canadian sedimentary basins. More information: <https://www.sciencedirect.com/science/article/pii/S0960148119304033#!>.

The **Australian Geothermal Association** has completed a **census of Australian geothermal projects**. The census includes Ground Source Heat Pumps, Direct Use, and commercial hot springs. More information: https://docs.wixstatic.com/ugd/75fc4e_14a5acdda7384e22a2b80d92fb3f9722.pdf.

Peter Malin is part of the team that has a paper titled “Controlling fluid-induced seismicity during a 6.1-km-deep geothermal stimulation in Finland” published in *Science Advances*. The paper discusses **the st1 Deep Heat project in Espoo, Finland**. More information: <https://advances.sciencemag.org/content/5/5/eaav7224>.

Other Event Details

Local chapters of **SPE** have a number of **summer events** they are inviting students to attend. Students in Dallas can find events including the Summer Seminar on June 26, 2019 at <https://connect.spe.org/dallas/events/recentcommunityeventsdashboard/recentcommunityeventsdashboard>. Students outside Dallas can find their SPE chapter at <https://www.spe.org/sections/?list>.

Registration is open for TREIA’s GridNEXT conference, **June 26-27, 2019** in San Antonio, Texas. More information: <https://www.treia.org/gridnext-2019-registration>.

Calendar

June 10-21, 2019 - National Geothermal Academy, University of Nevada, Reno. More information: <https://gbcge.org/education/>.

June 26, 2019 – SPE Dallas Summer Seminar - Learning Through Success and Failures: A Collection of Completion Case Histories, Farmers Branch, Texas. More information: <https://connect.spe.org/dallas/events/recentcommunityeventsdashboard/recentcommunityeventsdashboard>.

June 26-27, 2019 - TREIA's GridNEXT 2019, San Antonio, Texas. More information <https://www.treia.org/gridnext-2019-about-gridnext-conference>.

September 15-18, 2019 - 43rd GRC Annual Meeting & Expo, Palm Springs, California. More information: <https://geothermal.org/meet-new.html>.

October 14-18, 2019 - Geothermal Resources in Sedimentary Basins, Edmonton, Alberta, Canada. More information: <http://gssb2019.com/>.

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