

FYRIRLESTRAR

Árlegir fyrirlestrar nemenda Jarðhitaskólans um verkefni sín verða haldnir í Víðgelmi, fyrirlestrasal Orkugarðs, Grensásvegi 9, mánudaginn 30. september 2013 og hefjast kl. 09:00

Dagskrá:

- 09.00-09.10 **Geothermal exploration in Gufudalur, Hveragerdi, SW-Iceland**, flutt af Tharanga Munasinghe, leiðbeinendur eru Sigurður G. Kristinsson og Björn S. Harðarson.
- 09.10-09.20 **Geothermal gradient and geology of Hoffell low temperature field in SE-Iceland**, flutt af Mohammed Masum, leiðbeinendur eru Sigurður G. Kristinsson og Björn S. Harðarson.
- 09.20-09.30 **Borehole geology and hydrothermal alteration of well SV-5A, San Vicente geothermal field, El Salvador, C.A.**, flutt af Claudia Pichardo, leiðbeinendur eru Helga M. Helgadóttir, Hjalti Franzson, Anette K. Mortensen og Björn S. Harðarson.
- 09.30-09.40 **Borehole geology and hydrothermal alteration of wells MW-08 and MW-11, Menengai geothermal field, Kenya**, flutt af Loice Kipchumba, leiðbeinendur eru Anette K. Mortensen, Björn S. Harðarson og Hjalti Franzson.
- 09.40-09.50 **Borehole geology and hydrothermal mineralisation of wells MW-09 and MW-12, Menengai geothermal field, Kenya**, flutt af Tito Lopeyok, leiðbeinendur eru Björn S. Harðarson, Anette K. Mortensen og Hjalti Franzson.
- 09.50-10.00 **Borehole geology and hydrothermal alteration mineralogy of well OW-39A, Olkaria geothermal project, Naivasha, Kenya**, flutt af Joyce Okoo, leiðbeinendur eru Björn S. Harðarson, Anette K. Mortensen og Hjalti Franzson.
- 10.00-10.10 **Characterization and interpretation of geothermal fluids chemistry of Kibiro and Panyimur compared to the Öxarfjörður geothermal fluids chemistry**, flutt af Grace Lajwe, leiðbeinendur eru Halldór Ármannsson og Daði Þorbjörnsson.
- 10.10-10.20 **Geochemistry of thermal water from the Theistareykir geothermal field in NE-Iceland compared to that of the geothermal prospects in NW-Rwanda**, flutt af Jean Pascal Niyigena, leiðbeinendur eru Halldór Ármannsson og Þráinn Friðriksson.
- 10.20-10.30 **Scaling potential during production in Hverahlid field of Hengill high temperature geothermal area, SW-Iceland**, flutt af Kennedy Kamunya, leiðbeinendur eru Andri Stefánsson og Ingvi Gunnarsson.
- 10.30-10.40 **Chemical assessment of Icelandic geothermal fluids for direct applications**, flutt af Shakhin Uz Zaman, leiðbeinandi er Finnbogi Óskarsson.
- 10.40-11.00 Kaffihlé
- 11.00-11.10 **Detection and delineation of geothermal resources using 1D joint inversion of MT and TEM data with practical application from Reykjanes geothermal field, SW-Iceland**, flutt af Ronald Verave, leiðbeinendur eru Gylfi P. Hersir og Andemariam Teklesenbet.
- 11.10-11.20 **1D inversion of MT and TEM data with application of soundings from Krýsuvík, SW-Iceland and a review of MT/TEM data from Bacman geothermal project, N-Philippines**, flutt af Jefferson Africa, leiðbeinendur eru Gylfi P. Hersir og Andemariam Teklesenbet.
- 11.20-11.30 **Processing and 1D inversion of magnetotelluric data from Dubti area in Tendaho geothermal field, Ethiopia**, flutt af Behailu Woldesemayet, leiðbeinendur eru Gylfi P. Hersir og Knútur Árnason.
- 11.30-11.40 **1D joint inversion of TEM and MT data: Suswa geothermal field, Rift Valley, Kenya**, flutt af Yussuf Mohamud, leiðbeinendur eru Gylfi P. Hersir og Andemariam Teklesenbet.
- 11.40-11.50 **Resistivity structure of the Eburru geothermal field, Kenya described through 1D joint inversion of MT and TEM data**, flutt af Ammon Omiti, leiðbeinendur eru Gylfi P. Hersir og Knútur Árnason.
- 11.50-12.00 **Comparison of borehole and surface resistivity data at Theistareykir, NE-Iceland**, flutt af Long Hui, leiðbeinandi er Svanbjörg H. Haraldsdóttir.

- 12.00-13.00 Hádegishlé
- 13.00-13.10 **Synthesis of well test data and modelling of Olkaria South East production field**, flutt af Daniel Saitet, leiðbeinendur eru Sigríður S. Gylfadóttir, Sæunn Halldórsdóttir og Andri Arnaldsson.
- 13.10-13.20 **Interpretation of recent temperature and pressure data and updated conceptual model of the Greater Olkaria geothermal system, Kenya**, flutt af Eric Rop, leiðbeinendur eru Sæunn Halldórsdóttir, Sigríður S. Gylfadóttir og Andri Arnaldsson.
- 13.20-13.30 **Simple lumped and 2D numerical models of the Momotombo reservoir, Nicaragua**, flutt af Idalia Matus, leiðbeinandi er Grímur Björnsson.
- 13.30-13.40 **Injection and production well testing on Hellisheidi and Theistareykir geothermal fields in Iceland**, flutt af Wondwossen Kewiy, leiðbeinendur eru Svanbjörg H. Haraldsdóttir og Sæunn Halldórsdóttir.
- 13.40-13.50 **Production capacity assessment for the Hoffell low-temperature geothermal system, SE-Iceland**, flutt af Li Shengtao, leiðbeinandi er Guðni Axelsson.
- 13.50-14.00 **Comparison of simulations of the Tanawon sector simultaneous discharge test in Bacon-Manito geothermal field in the Philippines**, flutt af Kristine Antonio, leiðbeinendur eru Sigríður S. Gylfadóttir og Andri Arnaldsson.
- 14.00-14.10 **Analysis of geothermal casing thinning rate of Leyte geothermal production field**, flutt af Anthony Ponce, leiðbeinendur eru Benedikt Steingrímsson, Hörður Halldórsson og Einar J. Ásbjörnsson.
- 14.10-14.20 **Geothermal well design**, flutt af Abdisarak Omar, leiðbeinandi er Arnar B. Árnason.
- 14.20-14.30 **Directional well design, trajectory and survey calculation, with a case study in Fiale, Asal Rift, Djibouti**, flutt af Farah Omar Farah, leiðbeinandi er Hannes Sverrisson.
- 14.30-14.40 Kaffihlé
- 14.40-14.50 **Reducing geothermal drilling problems to improve performance: the case of Menengai, Kenya**, flutt af Isaac Makuk, leiðbeinandi er Sverrir Þórhallsson.
- 14.50-15.00 **Analysis of factors affecting drilling time for geothermal wells: a case study of Menengai and Hengill**, flutt af Lilian Okwiri, leiðbeinandi er Björn M. Sveinbjörnsson.
- 15.00-15.10 **Cost model for geothermal wells**, flutt af Carolyn Kipsang, leiðbeinandi er Sverrir Þórhallsson.
- 15.10-15.20 **Direct use of geothermal energy in Menengai, Kenya: proposed geothermal spa and crop drying**, flutt af Samuel Kinyanjui, leiðbeinendur eru Árni Ragnarsson og Sigurjón Arason.
- 15.20-15.30 **Geothermal space heating combined with thermal storage in Chumathang, India**, flutt af Vijay Chauhan, leiðbeinandi er Árni Ragnarsson.
- 15.30-15.40 **Design of cooling system for storage of agricultural products with emphasis on Irish potatoes**, flutt af Jane Uwera, leiðbeinandi er Þorleikur Jóhannesson.
- 15.40-15.50 **Preliminary study of binary power plant feasibility comparing ORC and Kalina for a low temperature geothermal resource in Rusizi Valley, Burundi**, flutt af Ferdinand Wakana, leiðbeinandi er Heimir Hjartarson.
- 15.50-16.00 **Comparative analysis of geothermal power plant designs suitable for Malawi's Chiweta geothermal field**, flutt af Tufwane Mwangomba, leiðbeinandi er María S. Guðjónsdóttir.
- 16.00-16.10 **Geothermal binary cycle power plants, principles, operation and maintenance**, flutt af Angel Monroy, leiðbeinendur eru Páll Valdimarsson og Geir Þórólfsson.

Allir áhugasamir um jarðhita eru velkomnir