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Geothermal Training Programme



FYRIRLESTRAR

Árlegir verkefnafyrirlestrar nemenda Jarðhitaskólans verða haldnir þriðjudaginn 27. september í Víðgelmi, fyrirlestrarsal Orkugarðs. Fyrirlestrarnir hefjast kl. 09:00. Allt áhugafólk um jarðhita velkomið.

- 09:00-09:10 **Borehole geology, hydrothermal alteration and structural mapping of well SV-26 in the Svartsengi Area, SW-Iceland**, flutt af Andrei-Eugen Lup frá Rúmeníu, leiðbeinandi er Björn S. Harðarson, ÍSOR
- 09:10-09:20 **Borehole geology, hydrothermal alteration and structural mapping of HE-30, Hellisheidi, SW-Iceland**, flutt af Erios Naiga Sembatya frá Úganda, leiðbeinandi er Björn S. Harðarson, ÍSOR
- 09:20-09:30 **Geology, hydrothermal alteration and structures of well HE-59, Hellisheidi Geothermal Field, SW-Iceland**, flutt af Birhan Abera Kebede frá Eþíópíu, leiðbeinandi er Björn S. Harðarson, ÍSOR
- 09:30-09:40 **A 3D model of the Chachimbiro geothermal system using Petrel**, flutt af Byron Fabian Pilicita Masabanda frá Ekvador, leiðbeinendur eru Gunnlaugur M. Einarsson og Björn S. Harðarson, ÍSOR
- 09:40-09:50 **How to apply geochemical methods to research in low-temperature geothermal fields – Case study: Dienbien and Sonla Provinces, NW-Vietnam**, flutt af Pham Dieu Linh frá Víetnam, leiðbeinandi er Vigdís Harðardóttir, ÍSOR
- 09:50-10:00 **Geochemical interpretation of thermal heater and gas samples from Lake Abbe, Djibouti**, flutt af Rokiya Houssein Hassan frá Djibútí, leiðbeinandi er Ester Inga Eyjólfsdóttir, ÍSOR
- 10:00-10:10 **Geothermometry and quantification of mixing and water-rock interaction in Ngozi geothermal field, SW-Tanzania**, flutt af Sadock Josephat Zakaria frá Tansaníu, leiðbeinandi er Andri Stefánsson, Háskóla Íslands
- 10:10-10:20 **Modelling the geochemical effects of geothermal fluid injection in the Olkaria geothermal field, Kenya**, flutt af Catherine Ndinda Leech frá Kenía, leiðbeinandi er Iwona Monika Galeczka, ÍSOR
- 10:20-10:40 *Kaffihlé*
- 10:40-10:50 **Resistivity surveying in geothermal exploration with an application to the Eyjafjörður low temperature area, N-Iceland**, flutt af Sarantsetseg Lkhagvasuren frá Mongolíu, leiðbeinendur eru Gylfi Páll Hersir og Knútur Árnason, ÍSOR
- 10:50-11:00 **Electromagnetic exploration of the Eyjafjörður low temperature geothermal area**, flutt af András Kovács frá Ungverjalandi, leiðbeinendur eru Gylfi Páll Hersir og Knútur Árnason, ÍSOR
- 11:00-11:10 **Monitoring microearthquakes in a geothermal field**, flutt af Fahman Hassan Abdallah frá Djibútí, leiðbeinandi er Sigríður Kristjánsdóttir, ÍSOR
- 11:10-11:20 **The basis for well design and drilling program for geothermal exploration in Kinigi, Rwanda**, flutt af Theoneste Nzayisenge frá Rúanda, leiðbeinendur eru Gunnar Skúlason Kaldal og Sverrir Þórhallsson, ÍSOR
- 11:20-11:30 **Well design and drilling challenges for a low temperature geothermal field in the Romanian Plain - Review and case study**, flutt af Cristian-Valentin Petrica frá Rúmeníu, leiðbeinendur eru Björn Már Sveinbjörnsson og Sverrir Þórhallsson, ÍSOR

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- 11:30-11:40 **Challenges of directional well drilling in Kenya: Case study of Olkaria, Kenya and Theistareykir, Iceland geothermal fields**, flutt af James Karanja Kahutu frá Kenía, leiðbeinandi er Arnar Bjarki Árnason, Mannviti
- 11:40-11:50 **Analysis of bit operations - Laguna Colorada geothermal project**, flutt af Danny Miguel Revilla Vargas frá Bólívíu, leiðbeinendur eru Kjartan Örn Sigurjónsson og Arnar Bjarki Árnason, Mannviti
- 11:50-12:00 **Analysis of well testing, temperature and pressure in the high temperature wells of Aluto Langano, Ethiopia**, flutt af Mesay Fekadu Biru frá Eþíópíu, leiðbeinendur eru Svanbjörg H. Haraldsdóttir og Sæunn Halldórsdóttir, ÍSOR
- 12:00-13:00 *Hádegishlé*
- 13:00-13:10 **Design of model and methodology for optimizing pipeline route selection, separator and powerplant placement in geothermal projects; Case of Olkaria IV in Kenya**, flutt af Harrison Kiplimo Keter frá Kenía, leiðbeinandi er Magnús Þór Jónsson, Háskóla Íslands
- 13:10-13:20 **Optimised pipeline route design for a make-up production well – Case study of well OW-906 for Olkaria IV power plant in Kenya**, flutt af Daniel Wanga Odongo frá Kenía, leiðbeinandi er Magnús Þór Jónsson, Háskóla Íslands
- 13:20-13:30 **Geothermal reservoir model of Dombóvár area, SW-Hungary**, flutt af Zsófia Erzébet Unyi frá Ungverjalandi, leiðbeinandi er Eric Myer, Vatnaskilum
- 13:30-13:40 **Model review and sensitivity analysis of the Sárospatak reservoir model, NE-Hungary**, flutt af Domokos Pásztor frá Ungverjalandi, leiðbeinandi er Eric Myer, Vatnaskilum
- 13:40-13:50 **Reinjection in sedimentary basins**, flutt af Ionut Emil Tanase frá Rúmeníu, leiðbeinendur eru Helga Tulinius og Guðni Axelsson, ÍSOR
- 13:50-14:00 **Modelling of tracer tests in a geothermal reservoir in Tianjin, China**, flutt af Wang Wanli frá Kína, leiðbeinendur eru Vaiva Cypaite og Valdís Guðmundsdóttir, ÍSOR
- 14:00-14:10 **Environmental considerations in production tests and geothermal wells stimulation**, flutt af Bertha Aracely Arenivar Marroquin frá El Salvador, leiðbeinendur eru Halldór Ármannsson, ÍSOR og Einar Gunnlaugsson, Orkuveitu Reykjavíkur
- 14:10-14:20 **EIA of geothermal exploration in Tanzania: The laws and regulations, EIA process and preliminary EIA of exploration drilling in Ngozi area, SW-Tanzania**, flutt af Esther Mtimbaru Range frá Tansaníu, leiðbeinandi er Þóroddur F. Þóroddsson
- 14:20-14:30 **Geothermal district heating modelling for typical Hungarian residential buildings in Debrecen**, flutt af Zoltan Békés frá Ungverjalandi, leiðbeinandi er Páll Valdimarsson, PVald ehf
- 14:30-14:50 *Kaffihlé*
- 14:50-15:00 **Cogeneration of power and heat in Hungary**, flutt af Anna Medgyesy frá Ungverjalandi, leiðbeinendur eru Páll Valdimarsson, PVald ehf og Kristinn Ingason, Mannviti
- 15:00-15:10 **Model organic Rankine cycle plant for brine at Olkaria geothermal field**, flutt af Gideon Gitonga Gitobu frá Kenía, leiðbeinandi er Páll Valdimarsson, PVald ehf
- 15:10-15:20 **Centralised control and monitoring dispatch centre for the geothermal wellhead power plants in Kenya**, flutt af Winnie Adhiambo Apiyo frá Kenía, leiðbeinendur eru Jóhann Þór Magnússon, Mannviti og Lýður Skúlason, Deilir Technical Services
- 15:20-15:30 **Feasibility of private sector's participation in geothermal power generation in Iran**, flutt af Nasim Saber frá Íran, leiðbeinendur eru María S. Guðjónsdóttir og Páll Jensson, Háskólanum í Reykjavík

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- 15:30-15:40 **Fostering geothermal development in Hungary: Opportunities and bottlenecks**, flutt af Kristóf Péter Boda frá Ungverjalandi, leiðbeinandi er Engilbert Guðmundsson, Utanríkisráðuneyti
- 15:40-15:50 **Geothermal development opportunities in Oradea, Romania**, flutt af Adrian George Foghis frá Rúmeníu, leiðbeinandi er Árni Gunnarsson, Landsvirkjun
- 15:50-16:00 **Monitoring and evaluation framework for geothermal projects: Olkaria I Unit 6**, flutt af Damaris Wacera Njoroge frá Kenía, leiðbeinandi er Þröstur Guðmundsson, Háskólanum í Reykjavík
- 16:00-16:10 **Financial viability of developing 35 MW geothermal power at Menengai field, Kenya**, flutt af Moses Kipsang Kachumo frá Kenía, leiðbeinandi er Páll Jensson, Háskólanum í Reykjavík
- 16:10-16:20 **Business case of Ngozi geothermal power project, Mbeya, SW-Tanzania**, flutt af Chagaka Kalimbia frá Tansaníu, leiðbeinandi er Bjarni Pálsson, Landsvirkjun