



UNITED NATIONS
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UNU-GTP

Geothermal Training Programme

UNU Geothermal Training Programme 40th Anniversary Workshop, IGC 2018, Harpan, RIMA Hall, 8:45-12:35, April 26, 2018

08:45-10:30 S1 – UNU Geothermal Training Programme – past, present and future
Chairman: Jónas Ketilsson, Senior Manager - Deputy Director General, Orkustofnun

- 08:50-09:00 **Thórdís Kolbrún R. Gylfadóttir, Minister of Tourism, Industry and Innovation:** *Opening speech.*
- 09:00-09:20 **Lúdvík S. Georgsson, Director UNU-GTP:** *Forty years of geothermal training in Iceland – history, status and future direction.*
- 09:20-09:30 **Ingimar G. Haraldsson, Deputy Director UNU-GTP:** *The UN Sustainable Development Goals Short Courses in E-Africa and Latin America.*
- 09:30-09:42 **Dr. Meseret Teklemariam Zemedkun, UNEP, Africa:** *Geothermal outlook in Africa and contribution of UNU-GTP in capacity building.*
- 09:42-09:54 **Dr. Pang Zhonghe, GRC-IGG, CAS, China:** *Geothermal development in China and the role of UNU-GTP.*
- 09:54-10:06 **Dr. Beata Kepinska, MEERI – PAS, Poland:** *Geothermal energy development in Europe and Poland. Contribution of UNU GTP graduates.*
- 10:06-10:18 **Dr. Peketsa Mangi, KenGen, Kenya:** *Geothermal development in Kenya: update and the role of UNU-GTP capacity building.*
- 10:18-10:30 **Rosa N. Escobar, LaGeo, El Salvador:** *Geothermal development in El Salvador and the importance of the contribution of fellows of the UNU-GTP programme.*
- 10:30-11:00 *Coffee break*

11:00-12:45 S2 – Research projects of current PhD and MSc UNU Fellows
Chairman: Málfríður Ómarsdóttir, Environmental Scientist, UNU-GTP

- 11:00-11:15 **Charles Muturia Lichoro, Kenya:** *Mapping geothermal and structural features of the Northern Kenya Rift with MT and gravity measurements.*
- 11:15-11:30 **Geoffrey Kiptoo Mibei, Kenya:** *Paka volcano in the Northern Kenya Rift: Volcanic evolution, petrology and insights into its geothermal system.*
- 11:30-11:45 **Zheng Tingting, Shandong, China:** *The chemical characteristics of geothermal fluids on Jiaodong Peninsula, Shandong, China.*
- 11:45-11:55 **Irma Khoirunissa, Indonesia:** *Performance of AERMOD modelling of hydrogen sulfide (H₂S) concentration from geothermal power plants in Ulubelu, Indonesia, and Hellisheidi-Nesjavellir, Iceland.*
- 11:55-12:05 **Melissa de Freitas, St. Vincent and the Grenadines:** *Numerical simulation of the Svartsengi geothermal field, SW-Iceland.*
- 12:05-12:15 **Kennedy M. Kamunya, Kenya:** *Assessment of boiling effects on δD and $\delta^{18}O$ composition of geothermal reservoir fluids and their suitability on use as tracers of origin of geothermal fluids.*
- 12:15-12:25 **Moneer Fathel Alnethary, Yemen:** *Petrology of the hornfels contact zone around the Hrossatungur gabbro, W-Iceland.*
- 12:25-12:35 **Hamoud Souleiman Cheik, Djibouti:** *Feasibility study for implementation of a solar-geothermal hybrid plant based on an organic Rankine Cycle in Lake Abhe geothermal area, with a particular hot arid climate, Djibouti.*
- 12:35-12:45 **Samuel I. Nganga, Kenya:** *Wellbore stability analysis in geothermal well drilling.*
- 12:45-13:30 *Lunch buffet*