3rd International Geothermal Conference GEOHEAT

www.igc-geoheat.com

GEOHEAT 2019

AGENDA

Petropavlovsk-Kamchatsky, Russian Federation
3rd INTERNATIONAL GEOTHERMAL CONFERENCE GEOHEAT 2019

AGENDA

VENUE: Assembly Hall, Vitus Bering Kamchatka State University, 69 Lenin St., Petropavlovsk-Kamchatsky

Day 1 Tuesday 3rd September 2019

09:00 – 09:30 REGISTRATION

09:30 – 09:35 Opening by the Conference Convener

Roman I. Pashkevich.
Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation

09:35 – 09:40 Greetings on Behalf of Organizing Committee

Albert Waibel,
Columbia Geoscience, Hillsboro, Oregon, USA

09:40 – 09:45 Greetings on Behalf of Organizing Committee

Mario-Cesar Suarez-Arriaga,
International Geothermal Association & Mexican Geothermal Association, Morelia, Mexico

09:45 – 10:20 Numerical Three-Dimensional Model of Mutnovsky Geothermal Field Exploitation

R. I. Pashkevich1, Alexander V. Shadrin1, I. I. Chernev2,
1Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation
2GEOTHERM JSC, Petropavlovsk-Kamchatsky, Russian Federation


Albert Waibel,
Columbia Geoscience, Hillsboro, Oregon, USA

09:00 – 09:30 REGISTRATION

10:50 – 11:50 TEA AND COFFEE BREAK


Alain Gadalia1, Y. Legendre2, V. Bouchot3,
1 77, rue de Bourgogne, 45000-Orléans, Orléans, France
2 BRGM, French Geological Survey, Direction Guadeloupe, Petit-Bourg, Guadeloupe
3 BRGM, Orleans, France

12:20 – 12:50 Exploration Perspectives of Thermal Waters in the Valley of the Levaya Bystraya River

Larisa A. Vorozheykina, N. V. Ohora,
Heat of the Earth JSC, Termalny Settlement, Kamchatka Region, Russian Federation

12:50 – 14:10 LUNCH
14:10 – 14:50  Main Outcomes for Mexico at the Half of the GEMex Project  
Luis C. A. Gutiérrez-Negrín¹, A. López-Hernández², V. H. Gurduño-Monroy³, M. A. Ramírez-Montes³,  
¹Geocónsul, GEMex, CeMIE-Geo AC, Morelia, Mexico  
²GEMex Project, UMNSH, Morelia, Mexico  
³Federal Electricity Commission, Morelia, Mexico

14:50 – 15:40  Las Pailas Geothermal Field – Central America Study Case: Deciphering a Volcanic Geothermal Play Type Through the Combination of Optimized Geophysical Exploration Methods and Classic Geological Conceptual Models of Volcano-Tectonic Systems  
L. F. Solís Salguero¹, Ernesto Meneses Ríoseco²,  
¹Costa Rican Institute of Electricity, San José, Costa Rica  
²Leibniz Institute for Applied Geophysics, Hannover, Germany

15:40 – 16:00  TEA AND COFFEE BREAK

16:00 – 16:15  The role of geothermal energy in energetic development of Kamchatka region  
Vladimir Semchev
Regional center of energetics and energy efficiency development of Kamchatsky kray

16:15 – 16:40  Defining Engineered Geothermal System Areas in the Dixie Valley Geothermal Field, a High-Temperature Basin and Range Geothermal System, Nevada, USA  
Joe Iovenitti, Consulting Geoscientist, California, USA

16:40 – 17:30  Imaging Upper and Mid-Crustal Magma Chambers with Magnetotellurics: Case Studies from the Central Andes and Central America  
Heinrich Brasse,  
Free University of Berlin, Berlin, Germany

17:30 – 18:10  Igneous and Mud Volcanoes: Stages of Heat and Mass Transfer from the Mantle  
Abdulvahab Mukhtarov,  
Geology and Geophysics Institute of ANAS, Baku, Azerbaijan

18:10 – 18:20  Closing Remarks  
Roman I. Pashkevich,  
Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation

19:30  DINNTER AND RECEPTION
Day 2 Wednesday 4th September 2019

09:00 – 09:20  REGISTRATION

09:20 – 10:00  Indonesia Geothermal Energy Human Resources Development Strategy

Surya Darma,  
PT Hasera Sagoesa, Indonesian Renewable Energy Society (METI-IRES), Jakarta, Indonesia

10:00 – 10:40  Hydrologic Balance Between Surface Waters and Geothermal Fluids in Dixie Valley, North-Central Nevada, USA

Adam Jones,  
LAIRKA LLC, Portland, Oregon, USA

10:40 – 11:10  TEA AND COFFEE BREAK

11:10 – 12:15  An Uncoupled Radial Thermoporoelastic Model with Local Thermal Non-Equilibrium

Mario–Cesar Suarez–Arriaga,  
International Geothermal Association & Mexican Geothermal Association, Morelia, Mexico

12:15 – 12:45  Hydrothermal Silica Extraction and Utilization

Vadim V. Potapov1, A. A. Serdan2, D. S. Gorev1, S. V. Zubaha1, E. V. Shunina1,  
1Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation  
2Lomonosov Moscow State University, Moscow, Russian Federation

12:45 – 14:00  LUNCH

14:00– 14:40  Concepts for Geoparks Establishment in Different Environments and Terrains

Dimitar Sinnyovsky1, N. Kalutskova2, N. Dronin2, D. Sinnyovska1, A. Medvedev3, N. Telnova3,  
1University of Mining and Geology “St. Ivan Rilski”, Sofia, Bulgaria  
2Moscow State University “M. V. Lomonosov”, Moscow, Russian Federation  
3Geographical Institute, Russian Academy of Sciences, Moscow, Russian Federation

14:40 – 15:10  Thermal Power Potential Assessment of Avacha Geothermal System

R. I. Pashkevich, Kirill A. Pavlov,  
Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation

15:10 – 15:50  Decoupling Environmental Pressure and Economic Growth: Scenarios for Energy Use and Carbon Emissions in Russia

H.-T. Pao, Hsin-Chia Fu,  
National Chiao Tung University, Hsinchu, Taiwan

15:50 – 16:20  TEA AND COFFEE BREAK

16:20 – 17:00  Purification of the Used Geothermal Heater Carrier from Toxic Compounds

Vladimir A. Gorbach,  
Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation

17:00 – 17:40  Boron and Lithium Recovery from Model and Technogenic Solutions of the Pauzhetskaya Geothermal Station Using Natural and Industrial Sorbents

T. P. Belova, Lyudmila S. Ershova, T. I. Ratchina,  
Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation

17:40 – 18:30  PANEL DISCUSSION

Report on key findings from plenary session and panel discussion.  
Closing remarks

Roman I. Pashkevich, Mario–Cesar Suarez–Arriaga, Luis C. A. Gutiérrez–Negrín, Albert Waibel, Ernesto Meneses Ríoseco, Heinrich Brasse, Vadim V. Potapov, Alain Gadalia, Abdulvahab Mukhtarov

19:30  DINNER AND RECEPTION