

Ministry of Science and Higher Education of the Russian Federation

Research Geotechnological Center of Far Eastern Branch

Russian Academy of Sciences

3rd International Geothermal Conference GEOHEAT

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GEOHEAT 2019

AGENDA



Petropavlovsk-Kamchatsky, Russian Federation

**Ministry of Science and Higher Education of the Russian Federation
Research Geotechnological Center of Far Eastern Branch of the Russian Academy of Sciences**

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, <i>Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation</i>
09:35 – 09:40	Greetings on Behalf of Organizing Committee	Albert Waibel, <i>Columbia Geoscience, Hillsboro, Oregon, USA</i>
09:40 – 09:45	Greetings on Behalf of Organizing Committee	Mario-Cesar Suarez-Arriaga, <i>International Geothermal Association & Mexican Geothermal Association, Morelia, Mexico</i>
09:45 – 10:20	Numerical Three-Dimensional Model of Mutnovsky Geothermal Field Exploitation	R. I. Pashkevich ¹ , Alexander V. Shadrin ¹ , I. I. Chernev ² , ¹ <i>Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation</i> ² <i>GEO THERM JSC, Petropavlovsk-Kamchatsky, Russian Federation</i>
10:20 – 10:50	Geometry of Geothermal Resources in Volcanic Terrains: Epizonal Hydrothermal Dynamics and Geometry in Active Volcanic Terrains	Albert Waibel, <i>Columbia Geoscience, Hillsboro, Oregon, USA</i>
10:50 – 11:50	TEA AND COFFEE BREAK	
11:50 – 12:20	Volcanological Context of the Bouillante High Temperature Geothermal System, Guadeloupe, Lesser Antilles	Alain Gadal ¹ , Y. Legendre ² , V. Bouchot ³ , ¹ <i>77, rue de Bourgogne, 45000-Orléans, Orléans, France</i> ² <i>BRGM, French Geological Survey, Direction Guadeloupe, Petit-Bourg, Guadeloupe</i> ³ <i>BRGM, Orléans, France</i>
12:20 – 12:50	Exploration Perspectives of Thermal Waters in the Valley of the Levaya Bystraya River	Larisa A. Vorozheykina, N. V. Obora, <i>Heat of the Earth JSC, Termalny Settlement, Kamchatka Region, Russian Federation</i>
12:50 – 14:10	LUNCH	

Day 1 Tuesday 3rd September 2019

14:10 – 14:50	Main Outcomes for Mexico at the Half of the GEMex Project	Luis C. A. Gutiérrez-Negrín ¹ , A. López-Hernández ² , V. H. Garduño-Monroy ² , M. A. Ramírez-Montes ³ , ¹ <i>Geocónsul, GEMex, CeMIE-Geo AC, Morelia, Mexico</i> ² <i>GEMex Project, UMNSH, Morelia, Mexico</i> ³ <i>Federal Electricity Commission, Morelia, Mexico</i>
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. Solis Salguero ¹ , Ernesto Meneses Rioseco ² , ¹ <i>Costa Rican Institute of Electricity, San José, Costa Rica</i> ² <i>Leibniz Institute for Applied Geophysics, Hannover, Germany</i>
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 , <i>Consulting Geoscientist, California, USA</i>
16:40– 17:30	Imaging Upper and Mid-Crustal Magma Chambers with Magnetotellurics: Case Studies from the Central Andes and Central America	Heinrich Brasse , <i>Free University of Berlin, Berlin, Germany</i>
17:30 – 18:10	Igneous and Mud Volcanoes: Stages of Heat and Mass Transfer from the Mantle	Abdulvahab Mukhtarov , <i>Geology and Geophysics Institute of ANAS, Baku, Azerbaijan</i>
18:10 – 18:20	Closing Remarks	Roman I. Pashkevich , <i>Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation</i>
19:30	DINNER 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,

LAIKA 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,

¹*Research Geotechnological Center of FEB RAS, Petropavlovsk-Kamchatsky, Russian Federation*

²*Lomonosov 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,

¹*University of Mining and Geology “St. Ivan Rilski”, Sofia, Bulgaria*

²*Moscow State University “M. V. Lomonosov”, Moscow, Russian Federation*

³*Geographical 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 Rioseco, Heinrich Brasse, Vadim V. Potapov, Alain Gadoria, Abdulvahab Mukhtarov

19:30

DINNER AND RECEPTION