

**T41.9 - Mineral and energy resources of the Arctic***Date* **Wednesday, 31 August 2016***Time* **14:00** *to* **15:30***Chair**Room* **MR 2.64 - 2.66**

<b>Times</b>		<b>Paper # Title</b>	<b>Speaker</b>
14:00	14:15	3124 Mineral resources of Alaska	Dr. Richard Goldfarb
14:15	14:30	4341 Metallogeny of Greenland	Dr. Jochen Kolb
14:30	14:45	2637 Epithermal gold in Iceland	Ms Bryndis Robertsdottir
14:45	15:00	1906 Metallogeny of Arctic Norway	Mr. J.S. Sandstad
15:00	15:15	4919 Resource Assessments in Greenland	Dr. Karen Hanghøj
15:15	15:30	3038 The Circum-Arctic Mineral Resource Project	Dr. Rognvald Boyd

<b>Times</b>		<b>Paper # Title</b>	<b>Speaker</b>
16:00	16:15	3286 Russian Arctic shelf mineral resources potential	Д-р Svetlana Babaeva
16:15	16:30	2024 Oil and gas exploration in frontier areas - an arctic update from Greenland	Dr. Kristian Grube Jakobsen
16:30	16:45	2880 Evaluation of satellite remote sensing albedo retrievals over the ablation area of the southwestern Greenland ice sheet	Ms. Samiah Moustafa
16:45	17:00	2133 Glacial Acceleration - Remote-Sensing Observations, Geomathematical Classification and Relevance for Sea-level Change Assessment	Prof. Ute Herzfeld
17:15	17:30	2541 Characteristics of Continental Glacier Surge in NE-Pamir	Prof. Xin Yao
17:30	17:45	5543 The Antarctic and Greenland ice sheet contribution to global sea level rise	Andrew Shepherd

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	1729 Deformation on Bering Glacier, Alaska: Modeling of continuum damage with comparisons to aerial observations	Mr. Thomas Trantow
	3558 Surges of outlet glaciers from the Drangajökull ice cap, northwest Iceland	Prof. Anders Schomacker
	873 Geochemical prospecting of raw hydrocarbons in the system: continental margin - the Arctic Ocean floor	Dr. Alexander Kremenetskiy
	17 Lithospheric Evolution, Ultramafic Magmatism and Diamond Potential of the Norwegian Lapland	Dr. Pavel Kepezhinskas

Times		Paper #	Title	Speaker
08:00	08:15	1604	Geological Structure and History of the Arctic Ocean	Dr. Oleg Petrov
08:15	08:30	937	Dating reductive fluids flow by means of paleomagnetic data; example from the Triassic sandstones of the southern Spitsbergen.	Prof. Marek Lewandowski
08:30	08:45	3080	Tectonic Map of Arctic Canada (TeMAC): accurately tracking 4 billion years of crustal history	Dr. Marc St-Onge
08:45	09:00	1025	The Late Proterozoic - Paleozoic history of the Timan-Pechora –Polar Urals – West Siberian region	Dr. Dmitrii Remizov
09:00	09:15	676	The Tectonic Map of the East Siberian Sea: the Undisturbed Paleozoic Cover (According to the Data Acquired by MAGE)	Prof. Gennady Ivanov
09:15	09:30	3633	New evidences for the continental nature of the central Arctic submarine elevations and their structural connection with the Eurasian shelf	Dr. Valeriy Kaminsky
09:30	09:45	1231	Tectonic structure and evolution of the Alpha-Mendeleev Fracture Zone	Dr. Andrey Chernykh
09:45	10:00	1191	The structure and morphology of heterogeneous acoustic basement of the Eastern Arctic	Dr. Pavel Rekant

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10:30	10:45	3249 The Eocene Eureka Deformation in the Arctic - architecture and kinematics of a strange foldbelt	Dr. Karsten Piepjohn
10:45	11:00	1599 Upper Triassic hydroexplosive breccia: a possible new diamondiferous formation of Arctic Siberi	Dr Mikhail Naumov
11:00	11:15	1685 MODEL OF REGIONAL GEODYNAMICS FOR ARCTIC AND NORTH-EASTERN ASIA	Dr Leopold Lobkovsky
11:15	11:30	2742 Shallow drilling in North-East Barents Sea	Mr. Dag Bering
11:30	11:45	2058 Palaeozoic carbonate deposits and fauna in the Mendelev Rise	Dr. Olga Kossovaya

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14:00	14:15	2766 Crustal structure of the Mendeleev Rise by ocean bottom seismometers data	Dr. Alexander Rybalka
14:15	14:30	2129 Cenozoic exhumation of the western Brooks Range, Alaska, USA, revealed from apatite fission track data	Dr. William Craddock
14:30	14:45	2233 Structure and seismic stratigraphy of sedimentary cover in the Amerasian Basin of the Arctic Ocean	Mr. Artem Kireev
14:45	15:00	2450 The Precambrian age of the Arctic shelf basement and plate tectonic reconstructions based on the first paleomagnetic data	Prof. Valery Vernikovsky
15:00	15:15	5145 Crustal provenance of the "Timanide" detrital zircon geochronology signature in the circum-Arctic stratigraphic record.	Mr. Eric Gottlieb
15:15	15:30	2460 Timing and formation of structural highs in the eastern part of the northern Norwegian Barents Sea	Mr. Rune Matningsdal

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16:00	16:15	3823	Advance of Triassic prograding clinoforms in the Barents Sea from the Norwegian mainland to Kvitøya in the Svalbard Archipelago	Mr. Tore Hoy
16:15	16:30	4964	Tectonic model for the evolution of the Arctic Ocean	Mr. Harald Brekke
16:30	16:45	4972	Lithosphere structure and topography around the North Atlantic Ocean	Prof. Hans Thybo Prof. Irina ARTEMIEVA
16:45	17:00	5241	Tectonic map of Alaska: A record of deformation before, during, and after assembly of the northwest promontory of North America	Dr. Thomas Moore
17:00	17:15	3447	Mesozoic fault activity and diapirism in the Sverdrup Basin: new insights into the tectonic evolution of the NE Canadian Arctic.	Dr. Berta Lopez-Mir
17:15	17:30	3995	Digital Modeling of Bathymetric Data for the Arctic Basin Charting	Prof. Konstantin Stavrov
17:30	17:45	4432	Carboniferous carbonate rocks of Chukotka fold belt: facies, geochemical and isotopic data (North-East of Russia)	Dr. Marianna Tuchkova

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	5264	Timing of exhumation and deformation across the Taimyr fold and thrust belt from apatite fission track dating and balanced cross-sections	Dr. Victoria Pease
	876	The sources of magmatic rocks matter of the Arctic Ocean and the Central Atlantic Ocean from isotopic geochemical data	Dr. Alexander Kremenetskiy
	3251	Tectonic Map of the Ellesmerian and Eurekan Deformation belts on Svalbard, North Greenland and the Queen Elizabeth Islands (Canadian Arctic)	Dr. Karsten Piepjohn
	3330	Post-collisional granitoids and mid-Cretaceous (117-106 Ma) extension in tectonic evolution of Chukotka Mesozoides, Northeast Russia	Mrs. Marina Luchitskaya
	872	Geochemical map of the Russian polar sector of the Arctic region	Dr. Alexander Kremenetskiy
	1592	Geological problems of Novaya Zemlya (west of the Russian Arctic)	Dr. Evgeny Korago
	3749	Supraregional correlation across the western Arctic Ocean- Towards an improved Quaternary stratigraphy and its paleoenvironmental implications -	Dr. Seung-II Nam
	3584	Fossil ivory deposits in the Arctic relic permafrost as an alternative to the elephant	Ms Maria Zhurilova
	5367	Heavy mineral analysis of sandstones from reservoir and source rock units of Prudhoe Bay oil field, Northern Alaska.	Prof. Victoria Pease



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08:00	08:15	5172 New tectonic map of the Arctic	Dr. Sergey Drachev
08:15	08:30	5106 The Russian Arctic sedimentary basins and their prospects for hydrocarbons	Dr. Sergey Drachev
08:30	08:45	5487 Late opening of the Amerasia ocean basin following arrival of HALIP plume?	Dr. Wouter Bleeker
08:45	09:00	3814 Tectonics of Wrangel Island, Russian Arctic	Prof. Sergey Sokolov
09:00	09:15	3629 Pan-African syenites and A-type granites in the Sør Rondane Mountains, Antarctica	Prof. Marlina Elburg
09:15	09:30	129 Geological mapping and U-Pb and Sm-Nd chronology of the Rauer Group Islands (East Antarctica)	Dr. Nikolay Alexeev
09:30	09:45	4158 Lamprophyres and K-rich Plutonic Rocks from Schirmacher Oasis, East Antarctica: Magma Source and Related Issues	Dr. Kirtikumar Randive
09:45	10:00	4882 Nature and extent of a Tonian Oceanic Arc Super Terrane (TOAST) in eastern Dronning Maud Land, East Antarctica: integrating geology and geophysics	Dr. Marlina Elburg

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10:30	10:45	195 Comparison of Sr-Nd isotope data from southern Africa and Dronning Maud Land, Antarctica.	Dr. Geoffrey Grantham
10:45	11:00	2121 Unveiling East Antarctica and its supercontinental linkages with geophysical imaging	Dr. Fausto Ferraccioli
11:00	11:15	1786 Pressure-temperature-time path and timing of Cl-bearing fluid infiltration to the upper-amphibolite to granulite facies metamorphic rocks at Perlebandet, Sør Rondane Mountains, East Antarctica	Dr. Tetsuo Kawakami
11:15	11:30	5478 Oxygen isotope evidence for growth of zircon in metacarbonate rocks from Sør Rondane Mountains, East Antarctica	Dr. Madhusoodhan Satish-Kumar
11:30	11:45	5527 Geochemistry of granitoid sheets found in HU Sverdrupfjella, Western Dronning Maud Land, East Antarctica	Mr. Erasmus P. Burger
11:45	12:00	1161 In situ U-Pb-Hf isotope analyses of the ultra-high temperature metapelite from Mather Peninsula, east Antarctica	Professor Yanbin Wang

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	3397 New aerogeophysical survey targets the South Pole Frontier	Dr. Fausto Ferraccioli
	2483 Investigating East Antarctic basement provinces from the Shackleton Range to Dronning Maud Land with new magnetic and gravity compilations	Dr. Fausto Ferraccioli
	1812 New SHRIMP zircon age from the Larsemann Hills region, Prydz Bay, for A Late Mesoproterozoic to early Neoproterozoic and Pan-African tectono-thermal event in East Antarctica	Professor Yanbin Wang
	3661 1D Numerical modelling of crustal heat transfer in the Antarctic glaciers of Northern Victoria Land	Dr. Mario Gaeta
	636 A 1:1000 000 tectono-geological map of Mac.Robertson Land and Princess Elizabeth Land (East Antarctica)	Dr. Evgenii Mikhalskii
	4340 Variations in trace elements and Platinum group elements compositions during the past 800,000 years at Dome C EPICA ice cores, Antarctica	Dr. Soon Do Hur
	463 Detailed Gravity Analysis of the Erebus Volcano, Antarctica	Dr. Kevin Mickus
	5364 Ar40/Ar39 data from Sverdrupfjella and Kirwanweggan, Maud Province, Dronning Maud Land, Antarctica: possible implications for Gondwana amalgamation.	Dr. Geoffrey Grantham
	2438 Crustal architecture of the Gamburtsev Province in East Antarctica	Dr. Fausto Ferraccioli
	3399 Satellite gravity gradient and airborne gravity views of the Antarctic lithosphere	Dr Fausto Ferraccioli
	4899 Study of frozen ground conditions in Byers Peninsula of Livingston Island (Maritime Antarctica) based on electrical and geomorphological data	Antonio Correia

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14:00	14:15	5363	A Geochemistry Of The Straumsnutane Lavas (Jutulstraumen Group) In Western Dronning Maud Land, Antarctica And The Espungabera Lavas (Mkondo Group) In Central Mozambique: Evidence For Comagmatic And Continental Emplacement.	Mr. Neo Moabi
14:15	14:30	3203	Age and source of the Hanson Formation—unlocking the Early Jurassic history of the paleo-Pacific margin of Gondwana	Mr. Demian Nelson
14:30	14:45	5383	Early-Middle Jurassic Mafic Dykes from the H.U. Sverdrupfjella, Antarctica	Mr Mabuela Morake
14:45	15:00	2132	Petrogenetic overview of the rifted, Southern Victoria Land lithospheric mantle, Antarctica	Dr. Adam P. Martin
15:00	15:15	2762	Anomalous Features within the Mantle Transition Zone of Antarctica and their Relationship to Volcanism and Surface Topography	Dr. Erica Emry
15:15	15:30	504	Quantitative analysis of periglacial lake sediments from Schirmacher Oasis, East Antarctica: implications for Late Quaternary depositional environment	Mr. Prakash Kumar Shrivastava