



T34.1 - Geochronology	<i>Date</i> Monday, 29 August 2016	<i>Time</i> 14:00 to 15:30
	<i>Chair</i>	<i>Room</i> Westin - Prince Edward/Schappen

Times		Paper # Title	Speaker	
14:00	14:30	5578 A new age for 40Ar/39Ar geochronology – Out of Africa and beyond...	Dr. David Phillips	Keynote
14:30	15:00	5469 Twenty Years On – Re-Os Revolution for Crustal Rocks	Dr. Holly Stein	Keynote
15:00	15:15	5468 Disassembling petroleum systems with Re-Os isotope geochemistry	Dr. Judith L Hannah	
15:15	15:30	5314 Geochronological implications of metallic Pb nanospheres in zircon exposed to high-grade metamorphism.	Dr. Monika A. Kusiak	

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16:00	16:15	4442 Speleothems as monitors of landscape evolution	Prof. Jon Woodhead
16:15	16:30	156 Unravelling caldera-forming gigantic eruptions by Quaternary zircon U-Pb dating	Dr. Hisatoshi Ito
16:30	16:45	1789 New insights into eruption ages of Plio-Pleistocene maars and scoria cones of south-eastern Australia via high precision $^{40}\text{Ar}/^{39}\text{Ar}$ dating of feldspar 'megacrysts'	Dr. Erin Matchan
16:45	17:00	5334 Timing, duration, and causes for Late Jurassic-Early Cretaceous anoxia in the Barents Sea	Dr. Holly Stein

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	1980 U-Pb SIMS SHRIMP-II titanite age and time-range of apatite-titanite mineralization of Lovozero and Khibiny apgaitic massifs	Dr. Oleg Petrov
	5539 Revision of the Cambrian part of Russian general stratigraphic time scale and its correlation with the international geological time scale	Dr. Konstantin Pak
	1839 Dating of altered mafic intrusions by applying a zircon fission track thermochronometer to baked country rock	Dr. Hiroyuki Hoshi
	3236 Strategies towards statistically robust interpretations of in situ U–Pb zircon geochronology	Dr. Christopher Spencer
	1681 Closure of the Rheic Ocean and post-orogenic uplift of the Western Tatra Mountains Western Carpathians (Poland/Slovakia).	Dr hab. Aleksandra Gawęda
	1626 $^{40}\text{Ar}/^{39}\text{Ar}$ ages in two alkaline igneous complexes from the Tikar Plain, Cameroon (Central Africa): a contribution to the interpretation of the Cameroon Line magmatism	Professor Njonfang Emmanuel
	4160 The geochemistry and geochronology of the Barby Formation, Southern Namibia	Ms. Theresia Malobela
	752 A review of the geochronology of the Margate Terrane of the Natal Metamorphic belt	Prof. Peter Mendonidis

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08:00	08:15	4541 Uranium-series dating of bracketing mineral accretions associated with Kimberley rock art	Dr. Helen Green
08:15	08:30	1835 Basement architecture of the Central African Kasai Craton revealed using high precision SHRIMP U-Pb zircon geochronology	Dr. Hielke Jelsma
08:30	08:45	3298 Temperature sensitivities of non-traditional (U-Th)/He thermochronometers and thermal evolution of the Phalaborwa carbonatite complex, Kaapvaal Craton, South Africa	Ms. Jaclyn Baughman
08:45	09:00	5549 Dating faults, metamorphism, diagenesis, and surface processes by U-Pb small scale isochrons	Dr. Axel Gerdes
09:00	09:15	5551 New chronology for the southern Kalahari Group sediments with implications for sediment-cycle dynamics and early hominin occupation	A Matmon
09:15	09:30	3729 Evolution of the Cape Fold Belt, South Africa: high-precision dating of detrital and metamorphic muscovite from the Palaeozoic Cape Supergroup	Ms. Scarlett Blewett
09:30	09:45	2582 Argon ages of muscovite from the Cape Fold Belt, South Africa and their implications for understanding the Cape Fold Belt - Karoo Basin system	Mr. Jeroen Hansma
09:45	10:00	1804 River sediment system responses to climate forcing evaluated using luminescence partial bleaching	Professor Jasper Knight

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10:30	10:45	420 Zircon U-Pb age and Hf isotopic studies of Lohit Plutonic Complex, Arunachal Pradesh, India by LA-MC-ICPMS.	Dr. James Pebam
10:45	11:00	169 U-Pb zircon ages of tuff from the Hongzaoshan Formation, Quanjia Group in the north margin of Qaidam Basin, NW China and their geological significances	Prof. Xun-Lian Wang
11:00	11:15	539 Evidence for Mesoarchean magmatism in the Dharwar craton from Sm-Nd isotope studies on mafic metavolcanic rocks of the Chitradurga greenstone belt, India	Mr D Kamalakannan
11:15	11:30	1049 RADIOCARBON DATING OF HOLOCENE TIME PLANES: IMPLICATION FOR SEA LEVEL CHANGE ALONG SAURASHTRA COAST, WESTERN INDIA	MS. Gargi Bhattacharya
11:30	11:45	2264 U-Pb-Hf isotopic characteristics of the Jurassic granitoids in the Jiaodong area and their tectonic significance	Mr. Dong Wang
11:45	12:00	5308 Large-scale zinc and lead mineralization in the western margin of the Yangtze Block from late Triassic to early Jurassic	Mr. Guangshu Yang

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	1474 Ordovician dioritic magmatism of the Donken area, far SE Laos: Implications for Gondwana evolution in SE Asia	Mr. Chad Gardner
	4872 A multipronged approach to constraining the timing of the Molopo Farms Complex emplacement	Ms. Livhuwani Ravhura
	1279 The Age and Geochemical Evolution of the Western Ethiopian Shield; It's Role in Gondwana Formation	Ms. Morgan Blades
	4693 Resolving the evolution of long-lived orogens through laser-split stream ICP-MS of detrital accessory minerals preserved in successor basins.	Mrs. Sonia Armandola
	3671 Multi-dating approaches applied to the Proterozoic Mbuji-Mayi Supergroup (D.R. Congo) to constrain the diversification of early eukaryotes in Central Africa	Dr. Camille Francois
	5316 U-Pb chronology and geochemistry of detrital monazites from major African rivers	Mr. Keita Itano
	1307 Using Isotopic Techniques to Constrain the Tectonic Evolution of the Basement of Oman	Ms. Morgan Blades
	1795 Constraining the Timing of Sedimentary In-Fills at the Vaalputs Radioactive Waste Disposal Facility	Dr. Mary Evans
	5320 Geochronology of the Palaeoproterozoic Magondi Belt (Zimbabwe), and the Choma-Kalomo Block (Zambia), with regional implications.	Ms. Sarah Glynn
	1483 Structural control of hydrothermal alteration of BIF and formation of goethite-dominant mineralisation in the northern Mauritanide Belt	Dr. Bert De Waele