

Earth Sciences Honours 2017 - Project presentations

Thursday, 16th November 2018

Seminar Room 1004

*Each presentation is strictly 13 mn long + 7 min questions
the presentations are public*

Time	Surname	Initial	Supervisor	Thesis title
9:00	Wells	C	Stevens	Layer scale rock compositions and textures in the basal unit of the Saldanha Bay Volcanic Complex
9:20	Fitchat	AA	Stevens	An investigation of the petrogenesis of Archean Andesite Dykes found in the Malalotja Nature Reserve of Northwest Swaziland on the border of the Barberton Granite Greenstone Terrane and the Ancient Gneiss Complex
9:40	Mouton	C	Heyn	X-Ray Micro-Computed Tomography Approach to the Clarity Enhancement Detection and Fingerprinting of Coloured Gemstones
10:00	Agyare-Dwomoh	YN	Miller	Tritium variation in rainwater across South Africa
10:20	Harilall	ZM	Miller	Characterisation of Cl-36 and chloride concentrations in precipitation across South Africa
10:40				feedback session with Prof Andrew Green (Room 2004) / tea break
11:00	Kamanzi	KC	Miller	The characterization of coal dust in order to determine possible ambient air pollution forms around the Witbank coalfield
11:20	Mahomed	U	Miller	The Characterization of Potential Airborne Particulate Matter Produced from Mechanical Mining Operations: Kolomela hematite-rich iron ore, Kumba Iron Ore
11:40	Walker	RAW	Miller	Cu distribution in soil and water around the Spektakel Mine: AMD or ARD?"
12:00	Hughes	AF	Roy	My thesis title has changed to the Distribution of Lead (Pb) within the Southern Ocean

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Time	Surname	Initial	Supervisor	Thesis title
12:20	Lear	DAK	Roy	Processes and distributions of Rare Earth Elements within the Southern Ocean, Atlantic Sector
12:40	feedback session with Prof Andrew Green (Room 2004) / lunch			
14:00	Pienaar	Z	Fietz/Roy	Stable carbon isotope fractionation by marine phytoplankton in the Southern Ocean
14:20	Labuschagne	M	Fietz	Characterisation of Aerosol Particulate Matter Found Within Stellenbosch and Their Impacts on Surrounding Environments
14:40	Rezelman	G	Fietz	Comparison of spatial and seasonal variation of geochemical parameters in the Kuilsriver and Steenbras river
15:00	Prestele	MP	Fietz	Paleoclimatic reconstruction of the Mfabeni peat sediments using lipid biomarkers
15:20	feedback session with Prof Andrew Green (Room 2004) / tea break			

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9:00	Hilmer	E	Tucker	Radiometric age dating of avian-dinosaurs from the Cretaceous of China
9:20	Pollock	CJ	Tucker	Comparative Taphonomy; Utilization of Forensic Palaeontology to Evaluate an Evolving Coastal Margin, West Coast Fossil Park, South Africa
9:40	Steytler	JG	Tucker	Reinvestigating fossil entombing depocenters within the West Coast Fossil Park, western cape, South Africa
10:00	Ramodike	KS	Buick	Thermodynamic modelling of the P-T evolution of a high-pressure metabasite from the Aravalli-Delhi Orogenic Belt, NW India
10:20	Louw	P	Buick	Contact metamorphism of Opx-bearing metasediments from the Penge Formation, Bushveld aureole
10:40	feedback session with Prof Andrew Green (Room 2004) / tea break			
11:00	Dunn	SC	vdHeyden	Geochemical insights into secondary gold mineralization of the Amani Placer Gold Deposit, southwestern Tanzania
11:20	Hattingh	DK	vdHeyden	The analysis of drilling and geophysical data to assess the geo-economic potential of a natural gas discovery offshore South Africa
11:40	Leach	PA	vdHeyden	Development of a framework for the evaluation and feasibility of diamond exploration Projects
12:00	O'Donnell	AM	vdHeyden	Characterization of acid production in the No. 2 coal seam, Highveld coal fields: a focus on the non-pyritic component
12:20	feedback session with Prof Andrew Green (Room 2004) / lunch			

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13:40	Naude	CE	Kisters	Geology and controls of mineralization in the Aukam graphite deposit, Namaqua Metamorphic Complex, southern Namibia
14:00	Stanford	JL	Kisters	Distributed versus Partitioned Transpression in Pan-African rocks of the Saldania Belt
14:20	Grobbelaar	B	Klausen	The Mafic Dykes of the Northeastern Kaapvaal Craton, Limpopo Province, South Africa: Geological Database Design and Google Earth Mapping
14:40	Stroebe	GB	Klausen	Distribution, petrography and geochemistry of Neoproterozoic plagioclase megacrystic mafic dykes across the Kaapvaal Craton
15:00				feedback session with Prof Andrew Green (Room 2004) / tea break