Study Group Programme

Monday 15 January to Friday 19 January 2018

Monday 15 January 2018		
8:00 - 9:00	Registration	
	Venue: Mathematical Sciences Building West Campus	
	Loading presentations in New Commerce Building, Room 4	
9:00 - 9:15	Official Opening and Welcome	
	Venue: New Commerce Building, Room 4	
	Chair: David Mason	
	Welcome address: Professor Ebrahim Momoniat, Dean of Science	
9:15 —	Problem Presentations (up to 30 minutes each)	
	The order of the presentations has still to be decided	
	Chair: Montaz Ali	
	Diffuser tracer test interpretation	
	Bryan Barker and Mathew Starzak	
	 Stochastic block economic value modelling for generating probability 	
	stopes	
	Tinashe Tholana	
	An algorithm for stope boundary optimization for underground mines	
	Sihesenkosi Nhleko	
10:30 – 11:00	Morning tea	
	Venue: Common Room,	
	Mathematical Sciences Building	
	Chair: Ashleigh Hutchinson	
	Mathematical modelling of methane gas extraction from Lake Kivu	
	Denis Ndanguza	
	Application of airborne thermal imaging to wildlife management	
	Barend Erasmus	
	Environmental monitoring	
	Barend Erasmus	

	Spontaneous combustion of stock-piled coal	
	Presenter to be decided	
	Climate change	
12.22	Francois Engelbrecht	
12:30 – 13:00	, '	
	Chair: Neville Fowkes	
12.00 11.00	Formation of Study Groups Room allocation	
13:00 - 14:00	Lunch	
	Venue: Common Room	
14.00 16.00	Mathematical Sciences Building	
14:00 - 16:00	, , ,	
16:00 – 16:30	Afternoon tea	
	Venue: Common Room	
16.20 10.20	Mathematical Sciences Building	
16:30 - 18:30	, , ,	
19:00 – 20:00		
	Wits Club, Cape Dutch Cottages, West Campus	
Tuesday 16 January to Thursday 18 January 2018		
8:30 - 9:00	Study Group meetings	
	Planning the work for the day	
9:00 - 10:30	Study Group meetings	
10:30 - 11:00	Morning tea	
11:00 - 13:00	Study Group meetings	
13:00 - 14:00	Lunch	
14:00 - 16:00	Study Group meetings	
16:00 - 16:30	Afternoon tea	
16:30 - 17:30	Study Group meetings	
17:30 - 18:30	Tuesday and Wednesday	
	Progress reports by Student Moderators on the work of the day (1015	
	minutes)	
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	Venue: New Commerce Building Room 4 Chair: Massack Khaligue (Tuesday)	
	Chair: Masood Khalique (Tuesday)	
	Neville Fowkes (Wednesday)	

	Thursday	
	No progress reports	
	Preparation for report back session to Industry on Friday morning	
19:00 - 21:00	Dinner	
	Wits Club, Cape Dutch Cottages, West Campus	
Friday 19 January 2018		
9:00 - 12:30	Report back session to Industry	
	Moderators report on progress and recommendations (30 minutes)	
	The order of the presentations has still to be decided	
	Venue: New Commerce Building, Room 4	
	Chair: Masood Khalique	
	Diffuser tracer test	
	Stochastic economic modelling	
	Stope boundary optimization	
(Gas extraction from Lake Kivu	
(10:30 –11:00)	Morning tea	
	Chair: Ashleigh Hutchinson	
	Airborne thermal imaging of wildlife	
	Counting modern houses from lidar data sets	
	Spontaneous combustion of stock-piled coal	
	Climate change.	
12:30 – 13:00	Closing Ceremony	
	Chair: David Mason	
	Award of the Half-Wits Mug	
13:00 – 14:00	Lunch	
14:00	Prepare for departure	