Graduate Modelling Camp Online Programme

Wednesday 2 February to Saturday 5 February 2022

Wednesday 2 February 2022	
9:00 - 9:15	Official Opening and Welcome Venue: Main Zoom room Chair: David Mason Welcome address: Professor Moitsheki Head School of Computer Science and Applied Mathematics, University of the Witwatersrand
9:15 – 9:30	Technology: Diane Dowejko
9:30 - 11:10	Problem Presentations Venue: Main Zoom room Chair: Eric Mubai
9:30 – 9:50	 Presentation 15 minutes, Questions 5 minutes Professor Jeff Sanders AIMS and University of Stellenbosch Designing a distributed person – medical system
9:50 – 10:10	 Dr Mathibele Nchabeleng University of Pretoria Numerical methods for singular integral equations
10:10 -10:30	 Professor David Mason University of the Witwatersrand Solitary waves in mixture of fluid and gas bubbles
10:30–10:50	 Professsor Montaz Ali University of the Witwatersrand Mathematical modelling of the Max 2-Cut Problem and solving the relaxed model.

10:50–11:10	 Mr Erick Mubai University of the Witwatersrand Detecting oil and gas using sound waves
11:10–11:30	Virtual Morning Tea Venue: Main Zoom Room
	Graduates asked to think about the problems and decide on one.
11:30–12:00	Identification of Study Groups Venue: Main Zoom room
	Formation of Study Groups and Room Allocation of five breakout rooms
12:00 –13:00	Study Group meetings Venues: Breakout rooms
	Introductions
	Practice on software
	General problem discussion Identification of subtasks and subgroups
	Extra breakout rooms can be allocated to a Problem if there are sub-groups
13:00–14:00	Lunch Venue: Main Zoom room
14:00 - 16:00	Study Group meetings Venues: Breakout rooms Groups/subgroups work collaboratively
16:00 - 16:30	Virtual afternoon tea Venue: Main Zoom room

16:30 - 17:00	Study Group meetings Venues: Breakout rooms Groups/subgroups work collaboratively
17:00-18:00	Short Progress Presentations Venue: Main Zoom room Chair: Erick Mubai 10 Minutes Presentation including questions • Distributed person-medical system • Numerical solution of singular integral equations • Solitary waves in fluid/bubble mixture • Max 2-Cut Problem and relaxed model • Detecting oil and gas using sound waves
18:00	Day closes although work may continue late into the evening
Thursday 3 February 2022	
9:00 - 11:00	Study Group meetings Venue: Breakout rooms Groups/subgroups work collaboratively
11:00 - 11:30	Virtual morning tea Venue: Main Zoom room
11:30 - 13:00	Study Group meetings Venues: Breakout rooms Groups/subgroups work collaboratively
13:00 - 14:00	Lunch Venue: Main Zoom room

14:00 – 16:00	Study Group meetings Venues: Breakout rooms Groups/subgroups work collaboratively Preparation of Progress Presentation
16:00 - 16:30	Virtual afternoon tea Venue: Main Zoom room
16:30 - 18:00	Progress Presentations Venue: Main Zoom room Chair: Montaz Ali 10 minutes presentation + 5 minutes questions • Distributed person-medical system • Numerical solution of singular integral equations • Solitary waves in fluid/bubble mixture • Max2-Cut Problem and relaxed model • Detecting oil and gas using sound waves
18:00	Day closes Work may continue late into the evening
	Friday 4 February 2022
9:00 – 11:00	Study Group meetings Venues: Breakout rooms Groups/subgroups work collaboratively
11:00 – 11:30	Virtual morning tea Venue: Main Zoom room
11:30 – 13:00	Study Group meetings Venues: Breakout rooms Groups/ subgroups work collaboratively
13:00 -14:00	Lunch Venue: Main Zoom room

14:00 - 16:00	Study Group meetings
	Venue: Breakout rooms
	Groups subgroups work collaboratively
	Preparation of Progress presentation
16:00 - 16:30	Virtual afternoon tea
	Venue: Main Zoom room
10.00 10.00	Progress Presentations
16:30 – 18:00	Venue: Main Zoom room
	Chair: Jeff Sanders
	10 minutes presentation + 5 minutes questions
	Distributed person-medical system
	 Numerical solution of singular integral equations
	 Solitary waves in fluid/bubble mixture
	Max2-Cut Problem and relaxed model
	Detecting oil and gas using sound waves
18:00	Day Closes
	Work may continue late into the evening
	,
	Saturday 5 February 2022
9:00 – 11:00	Study Group meetings
3.00 11.00	Venues: Breakout rooms
	Groups/ subgroups work collaboratively
	Groups/ Subgroups work conductatively
11.00 11.20	Study Crays mastings
11:00 –11:30	Study Group meetings
	Venues: Breakout rooms
	Preparation of Presentation
	Practice Presenttion
12.00 14.00	Lunch
13:00 – 14:00	Venue: Main Zoom room

11.00 17.00	Presentations	
14:00 – 17:00	Venue: Main Zoom room	
	Chair: Erich Mubai	
	25 minutes presentation + 5 minutes questions	
	Distributed person-medical system	
	 Numerical solution of singular integral equations 	
	 Solitary waves in fluid/bubble mixture 	
	 Max2-Cut Problem and relaxed model 	
	 Detecting oil and gas using sound waves 	
17:00	Closing	
	Venue: Main Zoom room	
	Chair: David Mason	
	Thank you Zoom Platform and MISG Organising Committee	
Free evening		
Sunday 6 February 2022		
Free day		