MATHEMATICS IN INDUSTRY STUDY GROUP 2022

Monday 7 February to Friday 11 February 2022

ONLINE PROGRAMME

Monday 7 February 2022	
9:00 - 9:15	Official Opening and Welcome Venue: Main Zoom room
	Chair: David Mason
	Welcome address: Professor Nithaya Chetty
	Dean of Science
	University of the Witwatersrand
9:15 – 9:30	Technology: Diane Dowejko
9:30 - 12:30	Problem Presentations Venue: Main Zoom room Chair: David Mason Each Industry Representative has available 30 minutes including questions
9:30 – 10:00	Richard Loubser Diffuser optimum imbibition
10:00 – 1030	 Precious Shabalala Tourism sector recovery plan for airlines
10:30 – 11:00	Tim Myers and Alba Cabrera Codony Scaling up from experiment to industry
11:00 – 11:30	Virtual Morning Tea Venue: Main Zoom Room

11:30 – 12:00	Chair: Syamala Krishnannair • Denis Ndanguza
11.50 12.00	Movement of bubbles in a tube for methane extraction in Lake Kivu
12:00 – 12:30	Stephan Visagie and Montaz Ali
	The drop shunting problem
12:30 – 13:00	Chair: David Mason
	Formation of study Groups
	Venue: Main Zoom room
	Formation of five Study Groups
	Allocation of breakout rooms
13:00 – 14:00	Lunch
	Venue: Main Zoom room
14:00 - 16:00	Study Group meetings
	Venues: Breakout rooms
	Introductions
	Practice of software
	General problem discussions
	Identification of subtasks and subgroups
	Extra breakout rooms can be allocated to a Problem if there are subgroups
16:00 - 16:30	Virtual afternoon tea
	Venue: Main Zoom room
16:30 – 17:30	Study Group meetings
	Venues: Breakout Rooms
	Group/subgroups work collaboratively
17:30 – 18:00	Venue: Breakout rooms
	Whole Study Group meets
	Subgroups report on progress
	Group discussion

18:00	Day closes although work may continue late into the evening	
Tuesday 8 February and Wednesday 9 February 2022		
9:00 - 11:00	Study Group meetings	
	Venue: Breakout rooms	
	Whole group meets to plan the work of the day.	
	Subgroups move into secondary breakout rooms	
	Group/subgroups work collaboratively	
11:00 - 11:30	Virtual morning tea	
	Venue: Main Zoom room	
11:30 - 13:00	Study Group meetings	
	Venues: Breakout rooms	
	Collaborative work continues	
13:00 - 14:00	Lunch	
	Venue: Main Zoom room	
14:00 - 16:00	Study Group meetings	
	Venues: Breakout rooms	
	Collaborative work continues	
	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: Tuesday Montaz Ali Wednesday Tim Myers 10 minutes presentation + 5 minutes questions Diffuser optimum imbibition Tourism recovery plan for airlines Scaling up from experiment to industry Movement of bubbles in a tube The drop shunting problem
18:00	Day closes although work may continue late into the evening
Thursday 10 February 2022	
9:00 – 11:00	Study Group meetings Venues: Breakout rooms
11:00 – 11:30	Virtual morning tea Venue: Main Zoom room
11:30 – 13:00	Study Group meetings Venues: Breakout rooms
13:00 –14:00	Lunch Venue: Main Zoom room
14:00 – 16:00	Study Group meetings Venue: Breakout rooms
16:00 – 16:30	Virtual afternoon tea Venue: Main Zoom room

16:30 - 18:00	Study Group meetings Venue: Breakout rooms Preparation of Report-back Presentation	
18:00	Day closes although work may continue late into the evening	
Friday 11 February 2022		
9:00 – 12:00	Report back session to Industry Venue: Main Zoom room	
	Moderators report on progress (25 minutes) Industry Representatives comment on progress (5 minutes)	
	Chair: Masood Khlique	
9:00 – 9:30	Diffuser optimum imbibition	
9:30 -10:00	Tourism sector recovery plan for airlines	
10:00 -10:30	Scaling up from experiment to industry	
10:30 –11:00	Virtual morning tea Venue: Main Zoom room	
	Chair: Syamala Krishnannair	
11:00 –11:30	Movement of bubbles in a tube for methane extraction in Lake Kivu	
11:30 –12:00	The drop shunting problem	
12:00 – 12:30	Closing Venue: Main Zoom Room Chair: David Mason • Half-Wits Mug • Thank you ZOOM Platform and MISG Organising Committee	