

MATHEMATICS IN INDUSTRY STUDY GORUP 2019

Monday 14 January to Friday 18 January 2019

PROGRAMME

Monday 14 January 2019

7:30 – 8:15	Breakfast
8:15 – 8:30	Registration Loading presentations
8:30 – 8:45	Chairperson: David Mason Official Opening and Welcome Welcome address: Professor Barry Green, Director, African Institute for Mathematical Sciences
8:45 – 12:30 8:45–10:30	Problem Presentations Chairperson: David Mason Each Industry Representative has available 30 minutes including questions <ul style="list-style-type: none">• Terence van Zyl: Visual animal• Norman Holtz: Optimizing urban and roof-top farming in Soweto and South Johannesburg• Thama Duba: Rogue waves• Richard Loubser: Sugar crystal counting, size and quality analysis
10:30 – 10:45	Morning Tea
10:45 – 12:30	Chairperson: Neville Fowkes <ul style="list-style-type: none">• Denis Ndanguza: Lake Kivu surface water pollution• Denis Ndanguza: The double diffusion effect in Lake Kivu• Tim Myers: Carbon capture and storage• Philip Broadbridge: Exclusion zone for a fish population
12:30 – 13:00	Lunch
13:30 – 14:00	Formation of Study Groups Room allocation
14:00 – 15:30	Study Group meetings
15:30 – 16:00	Afternoon Tea
16:00 – 18:00	Study Group Meetings
18:00 – 18:30	Dinner
19:00 – 22:00	Voluntary Study Group Meetings

Tuesday 15 January 2019

7:30 – 8:15	Breakfast
8:30 – 10:30	Study Group meetings
10:30 – 11:00	Morning Tea
11:00 – 12:30	Study Group meetings
12:30 – 13:00	Lunch
13:30 – 15:30	Study Group meetings
15:30 – 16:00	Afternoon Tea
16:00 – 16:30	Study Group meetings
16:30 – 18:00	Progress Reports Chairperson: Tim Myers Each Study Group has 10 minutes to present progress on their problem Presentations made by Student Moderators
18:00 – 18:30	Dinner
19:00 – 22:00	Voluntary Study Group meetings

Wednesday 16 January 2019

7:30 – 8:15	Breakfast
8:30 – 10:30	Study Group meetings
10:30 – 11:00	Morning Tea
11:00 – 12:30	Study Group meetings
12:30 – 13:00	Lunch
13:30 – 15:30	Study Group meetings
15:30 – 16:00	Afternoon Tea
16:00 – 16:30	Study Group meetings
16:30 – 18:00	Progress Reports Chairperson: Colin Please Each Study Group has 10 minutes to present progress made during Wednesday on their problem. Presentations by students moderators.
16:00 – 16:30	Study Group meetings
18:00 – 18:30	Dinner
19:00 – 22:00	Voluntary Study Group meetings

Thursday 17 January 2019

7:30 – 8:15	Breakfast
8:30 – 10:30	Study Group meetings
10:30 – 11:00	Morning Tea
11:00 – 12:30	Study Group meetings
12:30 – 13:00	Lunch
13:00 – 15:30	Study Group Meetings
15:30 – 16:00	Afternoon Tea
16:00 – 18:00	Study Group meetings Preparation for Friday presentations Preparation of brief texted reports
18:00 – 18:30	Dinner
19:00 – 22:00	Voluntary Study Group meetings

Friday 18 January 2019

7:30 – 8:15	Breakfast
8:30 – 12:45	Report back session to Industry Moderators report on progress and recommendations (25 minutes) Industry representatives have 5 minutes to comment on progress
8:30–10:30	Chairperson: Philip Broadbridge <ul style="list-style-type: none"> • Visual animal • Optimizing urban and roof-top farming in Soweto and South Johannesburg • Rogue waves • Sugar crystal counting, size and quality analysis
10:30–10:45	Morning tea
10:45–12:20	Chairperson: Montaz Ali <ul style="list-style-type: none"> • Lake Kivu surface water pollution • The double diffusion effect in Lake Kivu • Carbon capture and storage • Exclusion zone for a fish population
12:20 – 12:30	Chairperson: David Mason Closing Ceremony “Aimless award” Closing remarks Barry Green
12:30 – 13:00	Lunch
14:00	Prepare for departure