

Study Group Programme

Monday 12 January to Friday 16 January 2026

Monday 12 January 2026	
8:00 – 9:00	Registration Venue: New Commerce Building West Campus Loading presentations in New Commerce Building, Room 3
9:00 – 9:15	Official Opening and Welcome Venue: New Commerce Building, Room 3 Chair: David Mason Welcome address: Professor Joel Moitsheki, Head, School of Computer Science and Applied Mathematics Organisation of the Study Group
9:15 – 12:15	Problem Presentations (up to 30 minutes each) Chair: Montaz Ali <ul style="list-style-type: none">Forces on a diffuser lifting screw Richard LoubserDeep sea mining Precious ShabalalaMathematical models for tornadoes Puseletso Mofokeng
10:45 – 11:15	Morning tea Venue: Mathematical Sciences Common Room
	Chair: Graeme Hocking <ul style="list-style-type: none">Corrosion inhibition in CO₂ storage Tim Myers (Virtual presentation)Vehicle routing problem Stephen Visage and Ian CampbellFracture in rock based on extension strain failure criterion David Mason

12:45 – 13:00	<p>Identification of Study Groups</p> <p>Chair: David Mason</p> <p>Formation of Study Groups. Room allocation</p> <p>Study Group meetings</p>
13:00 – 14:00	<p>Lunch</p> <p>Venue: Common Room, UG Floor, Mathematical Sciences Building</p>
14:00 – 15:30	Study Group meetings
15:30 – 16:00	<p>Afternoon tea</p> <p>Venue: Common Room, UG Floor Mathematical Sciences Building</p>
16:00 – 17:00	Study Group meetings
17:00 – 18:00	<p>Dinner</p> <p>Venue: Jubilee Hall Dining Room, East Campus</p>
19:00 – 21:00	<p>Evening Session</p> <p>Study Group meetings</p>
Tuesday 13, Wednesday 14 and Thursday 15 January 2026	
8:30 – 9:30	<p>Progress Reports by Student Moderators (10 minutes each)</p> <p>Venue: New Commerce Building, Room 3</p> <p>Chair: Erick Mubai (Tuesday) Matthews Sejeso (Wednesday) Thama Duba (Thursday)</p> <ul style="list-style-type: none"> • Forces on diffuser lifting screw • Deep sea mining • Mathematical model for tornadoes • Corrosion inhibition in CO₂ storage • Vehicle routing problem • Extension strain fracture in rock
9:30 – 11:00	<p>Study Group meetings</p> <p>Planning the work of the day</p>
11:00 – 11:30	<p>Morning tea</p> <p>Venue: Common Room, UG Floor Mathematical Sciences Building</p>
11:30 – 13:00	Study Group meeting
13:00 – 14:00	<p>Lunch</p> <p>Venue: Common Room, UG Floor</p>

	Mathematical Sciences Building
14:00 – 15:30	Study Group meetings
15:30 – 16:00	Afternoon tea Venue: Mathematical Sciences Common Room
16:00 – 17:00	Study Group meeting
17:00 – 18:00	Dinner Venue: Jubilee Hall Dining Room, East Campus
19 :00 – 21:00	Evening Session Study Group meeting
Friday 16 January 2026	
9:00 – 12:30	Report back session to Industry Moderators report on progress and recommendations (30 minutes) Venue: New Commerce Building, Room 3 Chair: Masood Khalique <ul style="list-style-type: none"> • Forces on a diffuser lifting screw • Deep sea mining • Mathematical models for tornadoes
(10:30 –11:00)	Morning tea Chair: Keegan Anderson <ul style="list-style-type: none"> • Corrosion inhibition in CO2 storage • Vehicle routing problem • Extension strain fracture in rock
12:30 – 13:00	Closing Ceremony Chair: David Mason Award of the Half-Wits Mug
13:00 – 14:00	Lunch Venue: Mathematical Sciences Common Room
14:00	Prepare for departure