

MATHEMATICS IN INDUSTRY STUDY GROUP 2021

Monday 1 February to Friday 5 February 2021

PROGRAMME

Monday 1 February 2021	
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
9:15–12:30	Problem Presentations Venue: Main Zoom room Chair: David Mason Each Industry Representative has available 30 minutes including questions
9:15–9:45	<ul style="list-style-type: none">• Precious Shabalala Domestic tourists in travel and tourism industry
9:45–10:15	<ul style="list-style-type: none">• Jennifer Fitchett Tourism climate index
10:15–10:45	Chair Syamala Krishnannair <ul style="list-style-type: none">• Alex Welte Masks and spread of droplets and airborne virions
10:45–11:15	<ul style="list-style-type: none">• Richard Loubser Diffuser recycle rate
11:15–11:45	Virtual Morning Tea Venue: Main Zoom Room

<p>11:45–12:00 12:00–12:30</p> <p>12:30–13:00</p>	<p>Chair: David Mason Technology: Diane Dowejko</p> <ul style="list-style-type: none"> • . Optimization problem <p>Formation of Study Groups Venue: Main Zoom room</p> <p>Formation of five Study Groups Allocation of breakout rooms</p>
<p>13:00–14:00</p>	<p>Lunch Venue: Main Zoom room</p>
<p>14:00 – 16:00</p>	<p>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</p>
<p>16:00 – 16:30</p>	<p>Virtual afternoon tea Venue: Main Zoom room</p>
<p>16:30 – 17:30</p> <p>17:30–18:00</p>	<p>Study Group meetings Venues: Breakout rooms Group/subgroups work collaboratively</p> <p>Venue: Breakout rooms Whole Study Group meets Subgroups report on progress Group discussion</p>
<p>18:00</p>	<p>Day closes although work may continue late into the evening</p>

Tuesday 2 February and Wednesday 3 February 2021

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	<p>Progress Presentations Venue: Main Zoom room Chair: By Invitation</p> <p>10 minutes presentation + 5 minutes questions</p> <ul style="list-style-type: none"> • Domestic tourists • Tourism climate index • Masks and the spread of droplets • Diffuser recycle rate • Optimization problem
18:00	Day closes although work may continue late into the evening
Thursday 4 February 2021	
9:00 – 11:00	<p>Study Group meetings Venues: Breakout rooms</p>
11:00 – 11:30	<p>Virtual morning tea Venue: Main Zoom room</p>
11:30 – 13:00	<p>Study Group meetings Venues: Breakout rooms</p>
13:00 – 14:00	<p>Lunch Venue: Main Zoom room</p>
14:00 – 16:00	<p>Study Group meetings Venue: Breakout rooms</p>
16:00 – 16:30	<p>Virtual afternoon tea Venue: Main Zoom room</p>

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 5 February 2021	
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: Montaz Ali
9:00 – 9:30 9:30 – 10:00 10:00 – 10:30	<ul style="list-style-type: none"> • Domestic tourists in travel and tourism industry • Tourism climate index • Masks and the spread of droplets and airborne virions
10:30 – 11:00	Virtual morning tea Venue: Main Zoom room
11:00 – 11:30 11:30 – 12:00	Chair: Massod Khaliq <ul style="list-style-type: none"> • Diffuser recycle rate • Optimization problem
12:00 – 12:30	Closing Venue: Main Zoom room Chair: David Mason <ul style="list-style-type: none"> • Neville Fowkes (Guidelines for AIMS students) • Awards Vote of Thanks