

**GCRF-EPSRC UK-APASI Programme**  
**UK-Africa Postgraduate Study Institute in Mathematical Sciences**



**RESEARCH WORKSHOP 1: 11-13 October 2021**

**Research Projects: Group meetings**

**Monday 11<sup>th</sup> October 2021**

09:30 – 09:45	<b>Joining</b>	<b>Workshop login</b>
09:45 – 09:55	<b>Welcome</b>	<b>Madzvamuse, A. Holligan, Liam</b>
10:00 – 10:55	<b>Introduction:</b> Anotida Madzvamuse	<b>Title:</b> <i>Research Group Leaders: Summary</i>
10:55 – 11:00	<b>Break</b>	
11:00 – 11:55	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break-out rooms</i>
12:00 – 13:00	<b>Lunch</b>	
13:00 – 13:45	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break-out rooms</i>
13:55 – 14:00	<b>Break</b>	
14:00 – 14:55	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break-out rooms</i>
14:55 – 15:00	<b>Break</b>	
15:00 – 15:55	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break-out rooms</i>
15:55 – 16:00	<b>Break</b>	
16:00 – 16:30	<b>Summary of Day 1</b>	
16:30	<b>End of Day 1</b>	

**Tuesday 12<sup>th</sup> October 2021**

09:45 – 09:55	<b>Welcome</b>	<b>Workshop login</b>
10:00 – 10:45	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break out rooms</i>
10:55 – 11:00	<b>Break</b>	
11:00 – 11:45	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break out rooms</i>
11:55 – 13:00	<b>Lunch</b>	
13:00 – 13:45	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break out rooms</i>
13:55 – 14:00	<b>Break</b>	
14:00 – 14:45	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break out rooms</i>
14:55 – 15:00	<b>Break</b>	
15:00 – 15:45	<b>Research group meetings</b>	<b>Title:</b> <i>Zoom break out rooms</i>
16:00	<b>End of Day 2</b>	

**Wednesday 13<sup>th</sup> October 2021**

09:45 – 09:55	<b>Welcome</b>	<b>Workshop login</b>
10:00 – 10:45	<b>Research group presentations</b>	<b>Title:</b> <i>Group presentations</i>
	<ol style="list-style-type: none"><li>1. 10:00 – 10:15 Elias P. Mwakilama: Study of a contaminant in a plant as an epidemiological SIR model</li><li>2. 10:20 – 10:35 Lungelo Mwamba: Fully implicit time-stepping scheme for solving Black-Scholes European option pricing model</li><li>3. 10:40 – 10:55 Joseph Malinzi: Predicting number of COVID-19 wave occurrences: Case of South Africa</li><li>4. 11:00 – 11:15 Mwawi Kayuni: Crime modelling</li><li>5. 11:20 – 11:35 Kudzanayi Mapfumo: Analysis of models for Rho-GTPases</li></ol>	
12:00 – 13:00	<b>Lunch</b>	
13:00 – 13:45	<b>UK-APASI Meeting</b>	<b>Title:</b> <i>Budget and research activities: 2021-2022</i>
14:00	<b>End of Research Workshop</b>	

