

# Post Doctoral Research Fellowship

Programme: Research Group Workshop, 15 to 16 August 2012

DUT, Steve Biko Campus

**Day 1:**

*Targeting the Research Proposal*

Time	Session	Facilitator
08h15 – 08h30	Welcome  Purpose of workshop and Self-introductions	Prof F Bux (DUT Director: Institute for Water and Wastewater Technology)  Dr B Dzwauro (DUT Post Doc Fellow: Institute for Water and Wastewater Technology)
08h30 – 09h00	Broader Rand Water Professorial Chair activities that are supporting Vaal basin initiatives	Prof J Maree (Rand Water Professorial Chair at TUT: Department of Environmental, Water and Earth Sciences)
09h00 – 09h40	- Umgeni Water's business - 'down-the-catchment' pollution sources and research needs - Process Services research needs	Ms K Hodgson (Umgeni Water Board)
09h40 – 10h00	Facilitated discussion (Vaal and Umgeni basins)	
<b>10h00 -10h30</b>	<b>BREAK (Tea)</b>	
10h30 – 11h00	- Defining the field of research - Provisional title - Context of the research	Dr P Reddy (Head of Department of Environmental Health at

	<ul style="list-style-type: none"> <li>- Problem statement</li> <li>- Hypothesis</li> <li>- Research methodology - an environmental perspective</li> </ul>	DUT)
11h00 – 11h30	<ul style="list-style-type: none"> <li>- Introduction to Postgraduate Research</li> <li>- Sources of Postgraduate Funding</li> <li>- Research Budgets</li> <li>- Expected Research Outputs</li> <li>- Conferences</li> <li>- Any other finance items that may add value to student research</li> </ul>	Prof S Moyo (DUT Research and Postgraduate Services Director – Acting)
11h30 – 12h00	<ul style="list-style-type: none"> <li>- Academic meetings up until graduation and their impact on student progress</li> <li>- Supervisor-Student relationship (form PG3 at DUT)</li> <li>- Cluster research and responsible teamwork</li> <li>- Networking</li> </ul>	Prof FAO Otieno (Host of Post Doc Fellowship: DVC Technology, Innovation and Partnerships at DUT)
12h00 – 12h30	<ul style="list-style-type: none"> <li>- Managing your time (Masters and Doctoral research)</li> <li>- Research design</li> <li>- Research methodology – an engineering perspective</li> <li>- Linking objectives to the research methods</li> </ul>	Dr J Adeyemo (Senior Lecturer: DUT Civil Engineering Department)
12h30 – 13h00	Literature review	Prof I Nhapi (Co-Supervisor: WaterNet Professorial Chair in IWRM at UZ)

<b>13h00 - 14h00</b>	<b>BREAK (Lunch: served in-house)</b>	
14h00 – 14h30	<ul style="list-style-type: none"> <li>- Plan of research activities</li> <li>- Data requirements and analysis</li> <li>- Structure of dissertation</li> <li>- Potential outputs</li> </ul>	Prof GMM Ochieng' (Supervisor and Associate Professor: TUT Civil Engineering Department)
14h30 – 14h50	Research presentation	MTech – Innocent
14h50 – 15h10	Research presentation	MTech – Talent
15h10 – 15h30	Research presentation	DTech – Annatoria
<b>Working Break (10 minutes)</b>		
15h40 – 16h00	Research presentation	DTech – Sekwele
	<ul style="list-style-type: none"> <li>-The Vaal dam dilution rule</li> <li>-Optimising reservoir operation rule curves</li> </ul>	DTech Civil Engineering – DUT DTech Civil Engineering - DUT
16h00 – 16h40	Feedback and Stakeholder input	All
16h40 – 17h05	<ul style="list-style-type: none"> <li>- Water research in the SADC region: WaterNet experiences</li> <li>- Membership to WaterNet</li> </ul>	Prof I Nhapi (Waternet Professorial Chair for IWRM at UZ)
<b>18h30 for 19h00</b>	<b>Supper</b>	

**Day 2:***Getting it all Practical*

Time	Session	Facilitator
08h15 – 09h20	<ul style="list-style-type: none"> <li>- Using library facilities</li> <li>- Specific facilities for Postgraduate support</li> <li>- Accessing/borrowing electronic books</li> <li>- Interlibrary loans</li> <li>- Electronic databases (Science direct, Emerald, J Store, Google Scholar, Nexus search, Google, etc.</li> <li>- Web of Science</li> <li>- Building your Endnote library</li> <li>- Linking Endnote with Ms Word</li> </ul>	Ms AJ Finlayson (Postgraduate Librarian)
09h20 – 10h00	<ul style="list-style-type: none"> <li>- Preventing plagiarism – assessing your own work (turnitin)</li> <li>- Practical session with own documents)</li> </ul>	Ms AJ Finlayson / Dr B Dzwairo
<b>10h00 – 10h30</b>	<b>Break (Tea)</b>	
10h30 – 11h00	<ul style="list-style-type: none"> <li>- Referencing – DUT/TUT styles for Endnote</li> <li>- Citation and reference list</li> <li>- Transporting your library among computers and media</li> </ul>	Dr B Dzwairo/ Ms AJ Finlayson
11h00 – 12h00	<p>Student – supervisor interactions</p> <p><b>**The Workshop Report</b></p>	All supervisors/ Co-Supervisors
<b>12h00 – 12h45</b>	<b>Break (Lunch) Barceló's?</b>	

12h45 – 17h00	Pick up from Gate 1- Field trip	Dr B Dzwairo/ Ms K Hodgson (Umgeni Water Board)
18h00 –	Flights	