

AND HOSTED BY



Tshwane University  
of Technology  
*We empower people*

**SARChi** SCIENCE TECHNOLOGY ENGINEERING  
INNOVATION & DEVELOPMENT

SUPPORTED BY



science  
& technology  
Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA



National  
Research  
Foundation

**TUT-DMA FIRST RESEARCH TRAINING SEMINAR PROGRAM 2016**  
**ORGANIZED BY R&I AND SARChi**

**TITLE: APPROACHES AND PRACTICAL LESSONS TO COMPLETE HIGH QUALITY DOCTORAL RESEARCH ON TIME?**

**About the Program**

*"Do Research with empathy and feel compassion  
Do Research with love and feel spirited energy  
Do Research with hope and feel positive  
Know about Research with humor and feel fun  
Know Research without bias and feel fair and just  
Don't fail to do quality research at all to avoid  
feeling empty and nothing."*— Anonymous

Both staff with PhD supervision experience and students who recently completed their doctorates will serve as resource facilitators to the masters and doctorate students currently working in different schools, departments and faculties at the Tshwane University of Technology. Different countries and universities use a variety of methods for training PhDs. Some use the master's level to be continued to a DPhil or PhD or DTech level. Others start afresh from scratch the doctorate and do it by taking two years teaching and two more years finalizing the research work. There is doing of doctorate by teaching and doctorate by research. There is also a synergy between doing by a simultaneous teaching and research. There is also research with publications and producing final monographs or combining both in doing the doctoral research journey. The opportunity of bringing and joining both doctorates and supervisors from different faculties from TUT will no doubt create a strong culture to lay the foundation for an acceleration of the doctoral graduate output and the research publication. This will have positive impact on TUT's research onward journey. All schools, departments and faculties are invited to join to make research and knowledge the best ways for making a difference in TUT

**VENUE: BUSINESS SCHOOL, POSITIVITY HALL 5TH FLOOR, 159 NANA SITA STREET, PRETORIA**

**DATE: 16<sup>TH</sup> MAY 2016**

**TIME: 8:30AM- 05.00PM**

**Program**

**Welcome Remarks:** Prof. Mammo Muchie 8.45-9.00

**SESSION I (9.00-13.00)**

9:00-10:00 Prof. Mammo Muchie *"Knowing, Learning and Doing Scientific Research Skills to Complete High-Quality Doctorate on Time"*

10:00-10:45 Prof. Zeleke Worku *"Commonly used methods of data analyses"*

10:45-11:00 Tea Breaks

11:00-12:00 Prof. Sunday Ojo *"Conducting Literature Review: wading through the maze of Review typology"*

12:00-13:00 Prof. John Trimble *"...Research Lessons to Learn from from the Global ICAT Work"*

13:00-13:30 Lunch Break

**Session II (13:30-15:00)**

13:30-14:15 Dr. Diran Soumonni *"Qualitative Research as Learning"*

14:15-15:00 Ms. Naledi Nthite *"...R & I Research Vision for TUT"*

**Session III (15:00-17:00)**

15:00-17:00 Round Table Panel I

Presentations by DTech and MTech Students and evaluation and feedback by Prof. and Postdocs including submitted papers from the doctorate and masters research work. Presentation by Dr. Chijioke Oji on *"Constructive arguments in PhD research process"*.

Prof. Mammo Muchie, Dr. Diran Soumonni, Chijioke Oji, John Byamukama, Swapan Patra Research methods in social sciences

15:00-17:00 Round Table Panel II

Prof. Sunday Ojo, Prof. John Trimble, Nnamdi Nwulu Research methods in sciences and engineering Presentations by PhD MTech Students including submitted research work. Presentation by Dr. Nnamdi Nwulu on *"Mathematical modelling and simulation: Underlying concepts and applications"*.

17:00- 17:30 Final Remarks & Feedback SARChi  
Prof. Mammo Muchie