



Non Standard Guide

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Ven	Exp 2.5	Exp 3.4	Exp 3
Tri	9:20	9:30	9:30
Gr	5	4	4
	85	84	

Dr Chapwanya het in Mei 2010 as voltydse Dosent by die Universiteit van Pretoria aangesluit. Hy was voorheen verbonde aan die Universiteit van Limerick in Ierland en die Simon Fraser-Universiteit in Brits-Columbië, Kanada. Hy het die navorsing vir die PhD aan die Universiteit van Limerick aan die einde van 2005 voltooi.

Dr Chapwanya het in 2006 'n nadoktorale genootskap vir drie jaar van die Canadian Network of Centres of Excellence in Mathematical Sciences (MITACS-Canada) ontvang en in 2009 'n genootskap vir een jaar in die Departement Wiskunde en Statistiek van die Universiteit van Limerick toegeken deur die Mathematics Applications Consortium for Science and Industry (MACSI) van die Wetenskapstigting van Ierland (sfi).

Tot op datum sluit van die belangrikste publikasies waarvan hy mede-outeur was, 'n artikel in wat gepubliseer is in *Water Resources Research* (46, W09534, 2010) onder die titel "Numerical simulations of gravity-driven fingering in unsaturated porous media using a non-equilibrium model".

Dr Chapwanya is sedert 2010 lid van die Suid-Afrikaanse Wiskundige Vereniging (SAMS) en vir die afgelope ses jaar lid van die Vereniging vir Industriële en Toegepaste Wiskunde (SIAM). Hy het verskeie konferensies bygewoon wat deur die twee verenigings gereël is. In 2011 het hy 'n Y-2 gradering van die NRF ontvang.

Dr Chapwanya joined the University of Pretoria in May 2010 as a full-time Lecturer. He had worked at the University of Limerick in Ireland and the Simon Fraser University in British Columbia, Canada, before joining UP. He completed the PhD research work at the University of Limerick at the end of 2005.

Dr Chapwanya received a three-year postdoctoral fellowship in 2006 from the Canadian Network of Centres of Excellence in Mathematical Sciences (MITACS-Canada), and in 2009 a one-year fellowship in the Department of Mathematics and Statistics of the University of Limerick - awarded by the Mathematics Applications Consortium for Science and Industry (MACSI) of the Science Foundation Ireland (sfi).

The most important publications that he co-authored to date include an article entitled 'Numerical simulations of gravity-driven fingering in unsaturated porous media using a non-equilibrium model' published in *Water Resources Research* (46, W09534, 2010).

Dr Chapwanya has been a member of the South African Mathematical Society (SAMS) since 2010 and of the Society for Industrial and Applied Mathematics (SIAM) for the past six years. He has attended several conferences organised by these bodies. He received a Y2-rating from the NRF in 2011.

Dr Chapwanya o fihlile University of Pretoria ka Mopitlo 2010 e le mofahloši wa tšatši ka tšatši. O šomile University of Limerick go la Ierland le University of Simon Fraser go la British Columbia, Canada pele ga ge a tlo šoma UP. O feditše mošomo wa dinyakišišo tša lengwalo la gagwe la PhD University of Limerick mafelelong a 2005.

Dr Chapwanya o amogetše felošipi ya ka godimo ga bongaka ka 2006 go tšwa go Canadian Network of Centres of Excellence in Mathematical Sciences (MITACS-Canada), gomme ka 2009 ya ba felošipi ya ngwaga o tee ka Kgorong ya Dipalo le Dipalopalo ya University of Limerick, o abetšwe ke ba Mathematics Applications Consortium for Science and Industry (MACS) ya Science Foundation ya Ireland (sfi).

Diphatlalatšo tša gagwe tše bohlokwa tšeo a dingwadilego mmogo go fihla gabjale ke: "Numerical simulations of non-equilibrium model" for gravity driven fingering in unsaturated porous media using a non-equilibrium model" e phatlaladitšwe ka go *Water Resources Research*, 46, W09534, (2010).

Dr Chapwanya o bile leloko la South African Mathematical Society (SAMS) go tloga ka 2010 le go Society for Industrial and Applied Mathematics (SIAM) mo mengwageng e tšhelela yeo e fetilego. O bile dikopanong tša go fapafapana tšeo di rulagantšwego ke mekgatlo ye. O amogetše maemo a Y2 go tšwa go NRF ka 2011.