

CV of Boitumelo Moletsane

Research Publications

1. B. Moletsane, B. Zinsou, Self-adjoint fourth order differential operators with eigenvalue parameter dependent and periodic boundary conditions, *Boundary Value Problems*; New York Vol. 2017, (Mar 2017): 1-15. DOI:10.1186/s13661-017-0768-y
2. W. Arendt, I. Chalendar and B. Moletsane, Perturbation by completely continuous forms and semigroups on Hardy Space, Accepted by *Journal of Operator Theory (JOT)*
3. B. Moletsane, Asymptotics of the eigenvalues of a fourth order differential operator with eigenvalue dependent and periodic boundary conditions, *Bulletin of the Belgian Mathematical Society*, Under Review.

Employment History

Jul 2019 to Present	Lecturer, University of the Witwatersrand Teaching MATH 1036 (Calculus 1)
Jan 2014 to June 2019	Associate Lecturer, University of the Witwatersrand Teaching MATH 1036 (Calculus 1)

Administrative duties

Jan 2020 to Present	Member of the Awards Committee
22 Jan 2021	Served as Faculty of Science Representative on the WRC 2

26 Feb 2021

Served as Faculty of Science Representative on the WRC 2

Academic citizenship

March 2021 to present	Early Career Academic Development (ECAD) participant
June 2021 to Aug 2021	Review of selected questions and answers of Wade's Introduction to Analysis, 4e, Global Edition
Jan 2004 to present	Member of South African Mathematical Society (SAMS)
Apr 2020 to Aug 2020	Review of selected questions and answers of Leon's Linear Algebra with Applications, 10e, Global Edition
2021, 2020 and 2019	Representative of the Wits School of Mathematics at Diagnostic Mathematics Information for Student Retention and Success project (DMISRS) symposium
14 May 2020	Interview on Lesedi FM SABC education program Tsa Mahlale le Technology 21:00 to 21:30
Jan 2019 to Jan 2020	Member of the Local organizing committee of the CIMPA School on Functional Analysis and Applications held from 13 Jan to 24 Jan 2020.

Education

Jan 2014 – June 2019	PhD (Mathematics) University of the Witwatersrand, Johannesburg Dissertation on Spectral properties of Fourth order DE's
Feb 2004 – March 2011	M. Sc (Mathematics) University of the Witwatersrand, Johannesburg Dissertation on Spectral properties of Fourth order DE's
Jan 2003 – Nov 2004	B.Sc(Hons)(Mathematics) University of the Witwatersrand, Johannesburg
Jan 2001 – Nov 2002	B.Sc (Mathematics and Applied Chemistry) University of the Witwatersrand, Johannesburg

Jan 1997 to Nov 1999 Bachelor of Science (Eng) up to 2nd year
University of the Witwatersrand, Johannesburg

Non - Academic Employment History

Nov 2011 to Feb 2012 Ad-hoc Committee Member and Non – Executive Director
Free State Social Housing Company

July 2009 to March 2010 Quantitative Analyst - Risk
Sanlam Capital Markets

May 2007 to June 2009 Model Risk Auditor - Quantitative Analyst
Nedbank Group Internal Audit

March 2006 to Feb 2007 Quantitative Analyst
Mergence Africa Investment (Pty) Ltd (Cape Town)

Sep 2005 to Jan 2006 Assistant Credit Risk Analyst
Standard Bank CIB Credit (Project Monaco)

Directorships

Dec 2010 – August 2013 Board Member at Free State Social Housing Company
(FSHC)

Professional Training

CFA level 1

30th Nov – 2nd Dec 2009 Fund Performance Measurement, GIPS and Attribution
Analysis excel modeling workshop by Hamed Behairy

End
