



Prof Pretorius is Professor in die Nagraadse Skool vir Tegnologiebestuur aan die Universiteit van Pretoria. Hy koördineer die Institutionele Navorsingsgroep vir Sisteemenergie en Innovasie. Prof Pretorius het die graad MSc Ing (cum laude) in Meganiese Ingenieurswese in 1979 ontvang. In 1982 ontvang hy die graad MSc in Wiskunde en in 1983 die graad DIng van die Universiteit van Pretoria. Hy het meer as 35 jaar professionele en akademiese ervaring in ingenieurswese, navorsing en akademiese bestuur. In 2004 was hy die laaste Dekaan van die Fakulteit Ingenieurswese aan die destydse Randse Afrikaanse Universiteit (RAU) voor dié universiteit met die Technikon Witwatersrand (TWR) saamgesmelt het om die Universiteit van Johannesburg te vorm. Van 2005 tot 2007 was hy Mede-uitvoerende Dekaan van die Fakulteit Ingenieurswese en die Bou-omgewing van die Universiteit van Johannesburg.

Prof Pretorius is sedert 1980 as spesialiskonsultant en navorsers aktief betrokke by die ingenieursbedryf en die akademiese wêreld, onder meer op terreine soos termiese en dinamiese sisteme (met inbegrip van berekeningsvloeiemechanika (BVM)), en ingenieurs-en tegnologiese bestuur. Hy is die outeur of mede-outeur van 44 wetenskaplike artikels in portuurbeoordeelde nasionale en internasionale vaktydskrifte, en die outeur van 130 portuurbeoordeelde navorsingsreferate en artikels in die verrigtinge van internasionale konferensies in bykans 20 lande. Hy was studieleier vir 130 geslaagde verhandelinge vir meestersgrade en promotor van 36 voltooide doktorsale proefskrifte.

Prof Pretorius ontvang sedert 1993 TESP (*tertiary education support*)-befondsing van Eskom om sy navorsingswerk te ondersteun. Hy is by die Ingenieursweseraad van Suid-Afrika (ECSA) geregistreer as Professionele Ingenieur (PrEng), en is 'n Eregenoot van die Suid-Afrikaanse Instituut van Meganiese Ingenieurswese (SAIMeg). Hy is lid van die American Society of Mechanical Engineers (ASME) en van die Institute of Electrical and Electronics Engineers (IEEE). Prof Pretorius het 'n C2-gradering van die NNS.

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Prof Pretorius is a Professor in the Graduate School of Technology Management at the University of Pretoria. He coordinates the Institutional Research Group for Systems Energy and Innovation. Prof Pretorius received an MSc Eng (cum laude) in Mechanical Engineering in 1979. He completed the MSc in Mathematics (cum laude) in 1982 and completed the DEng in 1983 at the University of Pretoria. He has more than 35 years' professional, engineering, academic research and academic management experience. In 2004 he was the last Dean of Engineering at the Rand Afrikaans University (RAU) prior to the merger of RAU and Technikon Witwatersrand (TWR). From 2005 to 2007 he was Co-executive Dean of Engineering and the Built Environment at the University of Johannesburg.

Prof Pretorius has been active as a specialist consultant and researcher in the engineering industry and academia in, among others, thermal and dynamic systems, including computational fluid dynamics (CFD), as well as engineering and technology management since 1980. He has authored and co-authored 44 scientific papers in peer-reviewed national and international journals, and authored 130 peer-reviewed research papers in proceedings of international conferences in some 20 countries. He has supervised 130 successful master's dissertations and 36 completed doctoral theses.

He has received annual Eskom tertiary education support (TESP) grants for research support since 1993. He is a registered Professional Engineer (PrEng) with the Engineering Council of South Africa (ECSA), an Honorary Fellow of the South African Institution of Mechanical Engineering (SAIMEchE), a member of the American Society of Mechanical Engineers (ASME) and a member of the Institute of Electrical and Electronics Engineers (IEEE). Prof Pretorius has a C2-rating from the NRF.

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Prof Pretorius ke profesa ka Sekolong sa Dialoga sa Taolo ya Theknolotši mo UP. O rulaganya Sehlopha sa Dinyakišišo sa Institšhušene sa Enetši ya Disesteme le Tlholompsha. Prof Pretorius o phethile MSc Eng (ka dihloro) ka Boetšenero bja Mekhenikhale ka 1979. O phethile MSc ka Dipalo (ka dihloro) ka 1982, gomme o phethile le D Eng ka 1983 mo UP. O na le mengwaga ya go feta 35 ya boprofešenale, boetšenero, thuto, dinyakišišo le boitemogelo bja tshapedišo ya thuto. Ka 2004 e bile Tini ya mafelelo ya Boetšenero University of Rand Afrikaans (RAU) pele ga ge e kgomagantšhwa le Technikon Witwatersrand (TWR). Go tloga ka 2005 go fihla ka 2007 e be e le Tiniphethiši ya Boetšenero gotee le ya Kago ya Tikologo University of Johannesburg.

Prof Pretorius o somile kudu bjalo ka khonsaltente ya setsebi le monyakišiši ka gare ga intasteri ya boetšenero le ya thuto ka, magareng ga tše dingwe, disesteme tša themale le taenamiki, go akaretšwa ditaenamiki tša diela tša khomphutha (CFD), le taolo ya theknolotši le boetšenero go tloga ka 1980. O ngwadile le go thuša go ngwala dipampiri tša saense tše 44 ka gare ga ditšenale tša boditšhabatšhaba le bosetšhaba ka dipampiring tša dinyakišišo tšeo di sekasekilwego ke ba mphato wa gagwe. O ngwadile dipampiri tša dinyakišišo tšeo di sekasekilwego ke ba mphato wa gagwe tše 130 ditshapedišong tša dikhonferentshe tša boditšhabatšhaba dinageng tše dingwe tše 20. O okametše didisetheišene tša ditikrii tša mastase tše 130 gomme ba 36 ba phethile ditshesese tša ditikrii tša bongaka.

Ngwaga ka ngwaga o amogetše dithušo tša mašeleng tša thekgo ya thuto tša maemo a godimo tša ESKOM go tloga ka 1993. Ke moetšenero wa profesešonale yo a ingwadišitšego (PrEng) le Khansele ya Boetšenero ya Afrika-Borwa (ECSA), Mogweramoleloko wa Tlhompho wa Institšhute ya Afrika-Borwa ya Boetšenero bja Mekhenikhale (SAIMEchE), moleloko wa Mokgatlo wa Amerika wa Boetšenero ba Mekhenikhale (ASME) ebile ke leloko la Institšhute ya Boetšenero bja Elektrikale le Elektroniki (IEEE). Prof Pretorius o fihleletše maemo a C2 go tšwa go NRF.