



## Prof Madeleine du Toit

Prof Du Toit is professor in die Departement Materiaalkunde en Metallurgiese Ingenieurswese in die Fakulteit Ingenieurswese, Bou-omgewing en Inligtingtegnologie, waar sy aan die hoof staan van die Sentrum vir Sweisingenieurswese van die Suidelike Afrika-instituut vir Sweis (SAIS).

Die Sentrum se fokus is ingestel op nagraadse navorsing in sweisingenieurswese en op die nagraadse opleiding van sweisingenieurs en sweistegnoloë in ten volle geakkrediteerde internasionale programme. Sy het die grade BEng, MEng en PhD in Metallurgiese Ingenieurswese aan die Universiteit van Pretoria verwerf en 'n meestersgraad in Sweisingenieurswese aan die Universiteit van die Witwatersrand. Sy is 'n geregistreerde professionele ingenieur in Suid-Afrika en 'n gekwalifiseerde internasionale sweisingenieur. Prof Du Toit het wyd gepubliseer op die gebied van sweismetallurgie en sy doen gereeld konsultasiewerk as 'n sweisingenieur. Haar primêre belangstellingsveld is sweismetallurgie, in die besonder die sweis van vleklose staalsoorte en aluminium-allooië. Sy is die huidige president en 'n raadslid van die Suidelike Afrika-instituut vir Sweis. Internasionaal het sy gedien as lid van die tegnologiese bestuursraad van die Internasionale Instituut vir Sweis, sy is die huidige voorsitter van die IIW se kommunikasie- en bemarkingswerkgroep, en ondervoorsitter van Commission IX – die komitee wat navorsing doen oor die gedrag van metale wat aan sweis blootgestel word.

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Prof Du Toit is a professor in the Department of Materials Science and Metallurgical Engineering in the Faculty of Engineering, Built Environment and Information Technology, where she manages the Southern African Institute of Welding (SAIW) Centre for Welding Engineering.

This centre focuses on postgraduate research in welding engineering and on the postgraduate training of welding engineers and technologists in accordance with fully accredited international programmes. She holds BEng, MEng and PhD degrees in Metallurgical Engineering from UP and a master's degree in Welding Engineering from the University of the Witwatersrand. She is a registered professional engineer in South Africa and a qualified international welding engineer (IWE). Prof Du Toit has published extensively in the field of welding metallurgy and she regularly consults to industry as a welding engineer. Her primary field of interest is welding metallurgy, in particular the welding of stainless steels and aluminium alloys. She currently serves as president and member of council of the Southern African Institute of Welding. Internationally she served as member of the Technology Management Board of the International Institute of Welding (IIW), and currently as chairperson of Working Group Communications and Marketing and vice-chair of Commission IX (behaviour of metals subjected to welding) within IIW.

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Prof Du Toit ke moprofesa wa Kgoro ya Thutamahlale a Dimetheriale le Boentsenere bja Metaletši ka Lefapheng la Boentsenere, Kagotikologo le Theknolotši ya Tshedimošo, moo a etago pele Institšhute ya Afrika-Borwa ya Bomomaganyi (weletela)–(SAIW) ya Senthara ya Boentsenere bja Bomomaganyi (boweletedi).

Senthara ye e šeditše dinyakišišo tša baithuti ba dithuto tša ka morago ga tikrii ya mathomo ka boentsenere bja bomomaganyi le tlhahlo ya baentsenere ba bomomaganyi le boratheknolotši ba dialoga tša thuto ya godimo go ya ka mananeo a boditšhabatšhaba ao a dumeletšwego. O na le ditikrii tša BEng, MEng le PhD ka Boentsenere bja Metaletši go tšwa UP le tikrii ya mastase ka Boentsenere bja Bomomaganyi go tšwa Yunibesithi ya Witwatersrand. Ke moentsenere wa profesenale yo a ngwadišitšwego mo Afrika-Borwa ebile ke moentsenere wa bomomaganyi wa boditšhabatšhaba yo a kgotsofatsago dinyakwa (IWE). Prof Du Toit o kgatišitše ka go naba ka lekaleng la metaletši wa bomomaganyi ebile o reršana kgafetsakgafetša le boraintasteri bjalo ka moentsenere wa bomomaganyi. Kgahle go gagwe e kgolo ya lekala ke bomomaganyi bja metaletši, kudu go momaganya tshipi ya bosodi le tshipi ya aluminiamo. Gabjale ke mopresidente le leloko la lekgotla la Institšhute ya Borwa bja Afrika ya Bomomaganyi. Maemong a boditšhabatšhaba o bile leloko la Boto ya Taolo ya Theknolotši ya Institšhute ya Boditšhabatšhaba ya Bomomaganyi (IIW), gomme gabjale ke modulasetulo wa Sehlophatšhomo sa Dikgokagano le Papatšo ebile ke motlatšamodulasetulo wa Khomišene IX (Maitshwaro a dimetale tše di lebanego go momaganywa) ka gare ga IIW.