

The Engineering Council of South Africa boasts two members from the UP community

Prof Elsabe Kearsley and Prof Thoko Majozi have been appointed to the Engineering Council of South Africa (ECSA) with effect from 28 August 2009 for a period of four years. ECSA works in partnership with the state and the engineering profession to promote a high level of education and training of practitioners in the engineering profession in order to facilitate full recognition of professionalism in the engineering profession, both locally and abroad.

Prof Elsabe Kearsley

Prof Kearsley is head of the Department of Civil Engineering, and was also appointed as President of the South African Institution of Civil Engineering for 2009. She is a specialist in the field of concrete materials. The research in which she is involved aims at reducing the environmental impact of the concrete and cement industry by using materials more effectively and efficiently. The ultimate dream is to provide high-strength, affordable lightweight concrete for ease of application in major structures, which would have an economic impact on construction in South Africa. Among the awards Prof Kearsley has recently received is the Technology and Human Resources for Industry Programme (THRIP) Technology Award for Research Collaboration in 2008. Furthermore, she was an alternating member of the National Science and Technology Forum (NSTF) adjudication panel for the scientist of the year awards from 2004 to 2008.

Prof Thoko Majozi

Prof Majozi is associated with the Department

of Chemical Engineering. His research interests are batch process integration, combined water and energy conservation, and clean power generation using process integration. His current research focuses on heat integration of multipurpose batch chemical processes, wastewater minimisation in batch plants, water conservation through energy conservation, the development of a unified mass and heat integration framework for sustainable design, effective techniques for the scheduling of complex batch facilities, and process integration as an optimisation tool in clean coal technology. He has received the S₂A₃ British Association Medal and a Leading Minds Centenary Award from the University of Pretoria, both in 2008. He also received the NRF President's Award in 2007, and the NSTF Award for Distinguished Young Black Researcher in the last five to ten years in 2006. ➔

