



Operations Research Society of South Africa



Category IV Recognition Award

(To an upcoming member of ORSSA
of age 35 or below for excellence
in operations research practice)

Angela L Rademeyer

Citation. *By Jan van Vuuren, on behalf of the Executive Committee of ORSSA.*

Angela Liza Rademeyer was born in Johannesburg on September 9th, 1983. After matriculating with full academic colours and straight As from Holy Rosary School in Edenvale in 2001, she enrolled for a bachelor's degree in actuarial science and mathematical statistics at the University of the Witwatersrand in 2002. She obtained this degree with seven exemptions from the Faculty and Institute of Actuaries in 2004, and went on to obtain an honours degree in mathematical statistics *cum laude* from the same institution in 2005, also winning the Liberty Life Gold Medal for Mathematical Statistics in that year. In 2006 she enrolled part time for a master's degree in mathematical statistics and operations research at the University of the Witwatersrand, a qualification she received with distinction in 2008. She followed this up by enrolling for a PhD at Wits on a part time basis in 2009, and she has just successfully defended her doctoral thesis entitled *Algorithmic approaches to solving multi-period sales force and delivery vehicle master routing problems*.

While still enrolled for her masters studies in 2006, she started working as analytic consultant at OPSI Systems, an operations research consulting firm based in Rosebank, Johannesburg, which specialises in transport planning and fleet optimisation. Here her duties included algorithm design, software implementation and testing, as well as training of new recruits. In 2010 she was promoted to managerial level with the portfolio of consulting and optimisation, a position she still holds at OPSI Systems and in which her duties include the development of computerised optimisation tools, project management on various fronts, meeting with clients on a regular basis, and the preparation of tender documentation.

During her stay at OPSI Systems, Angela has been involved in a variety of exciting and very successful large-scale operations research consulting projects, often taking a leading role. These projects include country-wide route planning for sales representatives of SAB-Miller in South Africa and Ghana, fleet-sizing and delivery route optimisation for Clover South Africa and Unitrans-Nulaid, the design of new master routes for various depots of Steiner Hygiene, the scheduling of deliveries for Take-5, the design of a demand simulation decision support system for the Smollan Group, the development of a customer zoning and delivery schedule for Pioneer Foods, and decision support with respect to optimal facility location and visitation routes for sales representatives of Coca Cola and delivery routes for Woolworths.

In addition to all of the above-mentioned responsibilities, Angela also keeps up to date with new developments in her field of expertise by regularly attending international conferences and winter schools. For example, she attended the Winter Schools on Network Optimization and on Optimization in Logistics and Transportation in Estoril, Portugal in 2011 and 2012, respectively, and has published her work in various national and international peer-reviewed conference proceedings. She is also a member of the Golden Key International Honour Society. Finally, Angela is no stranger to ORSSA. She is a regular contributor at the annual conferences of the Society, having won the prize for the best presentation by a doctoral student during the 2012 conference at Aloe Ridge. She has also featured in the ORSSA Newsletter's member column.

In recognition of the excellent quality of the operational research projects in which she has been involved since 2006, as well as the leading role she has played at OPSI Systems since 2010, Angela Liza Rademeyer is, on this 17th day of September 2013, duly awarded a Category IV ORSSA Recognition Award. I call on the President to confer the award.