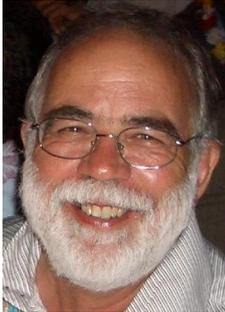




Fellow of the Operations Research Society of South Africa



Theodore J Stewart

“I believe that there is an important, even critical, role for decision analysis and operations research in addressing many planning and development problems in South Africa, but we lack the people to do it.”

Citation. *By Wim Gevers, on behalf of the Executive Committee of ORSSA.*

Theodore J Stewart was born in Cape Town on 16th September 1943. In 1963 he obtained the BSc (Eng) degree in Chemical Engineering from the University of Cape Town. Thereafter he read Operations Research and obtained the degree BSc (Hons) in Operations Research in 1972 and the MSc-degree in Operations Research a year later, both from UNISA. His MSc thesis topic was “A production scheduling algorithm for a multi-product, multi-facility situation with capacity constraints.” In 1976 he obtained a PhD in Mathematical Statistics, also from Unisa, on a dissertation with the topic: “Bayes optimal experimental design for determination of a response surface maximum.”

Theo Stewart started his career in the employment of Corner House Group, where he was involved as chemical engineer with mineral processing plants and laboratories. In 1967 he moved to the Sentrachem group where he advanced to Plant Superintendent: Formulations of Klipfontein Organic Products at Chloorkop. In 1971 he joined the CSIR in Pretoria where he spent more than 13 years, culminating in the position of Director and Head of Operations Research and Statistics. Since July 1984 he has been Professor in the Department of Statistical Sciences of the University of Cape Town. He has held Visiting Professor positions at various universities in Europe during 1993-2002.

Theo has co-authored 3 books and published 65 refereed papers or reports. He is a regular contributor to conferences and has read 82 conference papers, primarily in the broad area of Multiple Criteria Decision Analysis. He has supervised 7 PhD's to completion. Currently he is evaluated as an A-rated researcher by the National Research Foundation of South Africa. In addition he is a member of the Academy of Science of South Africa. The quality of his publications has been acknowledged by ORSSA who have awarded him the Tom Rozwadowski Medal on five occasions: in 1978 (with HW Ittmann), 1981, 1984, 1995 and 1996 (with L Scott).

Theo is a member of ORSSA, ORS, INFORMS, SAIIE, ASA and a fellow and past president of SASA as well as a registered professional Engineer in South Africa. Theo has served the Operations Research community in a variety of ways. He served the Society as President in 1978 and from 1984 to 1989 he was the founding editor of ORiON. Since then he has regularly served on the executive in a variety of capacities, amongst them as chair of the Western Cape and Pretoria chapters of ORSSA. He is a current Vice-President of IFORS, as well as President of the International Society on Multiple Criteria Decision Making. He has organised a number of international conferences and has been coordinator of ESIGMA, the European Special Interest Group on Multicriteria Analysis since 1996. He serves on the editorial advisory boards of Journal of Multi-Criteria Decision Analysis, Journal of the Operational Research Society, the editorial board of International Transactions of Operational Research and is associate editor of Omega and ORiON.

For his services to and impact on operations research in general (both locally and abroad), his leading international role in the field of Multiple Criteria Decision Analysis, his services to ORSSA, his role in the international OR community as well as mentor to many students at UCT over more than 20 years, he was duly and unanimously elected Fellow of the Operations Research Society of South Africa in August 2005.