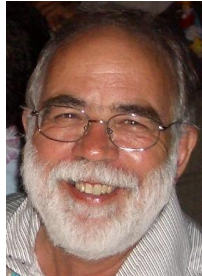




## **Operations Research Society of South Africa**



### **Category I Recognition Award**

(To a retired member of ORSSA for outstanding contributions over a long period of time)

## **Theodor John Stewart**

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

Theodor John Stewart was born in Cape Town on 16<sup>th</sup> September 1943. In 1963 he obtained a BSc (Eng) degree in chemical engineering from the University of Cape Town. Thereafter he obtained a BSc (Hons) degree in operations research in 1972 and an 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 entitled "Bayes optimal experimental design for determination of a response surface maximum."

Theo started his career in 1964 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 Council for Scientific and Industrial Research in Pretoria where he spent more than thirteen years, culminating in the position of Director and Head of Operations Research and Statistics. Since July 1984 he has been full professor of statistical sciences of the University of Cape Town. He has held Visiting Professor positions at various universities in Europe since 1993.

He has co-authored three books and published more than 80 refereed papers or reports. He is a regular contributor to conferences and has read more than 90 conference papers, primarily in the broad area of multi-criteria decision analysis. He has supervised eight PhD studies to completion and has been evaluated as an A-rated researcher by the National Research Foundation of South Africa. The quality of his publications has been acknowledged by ORSSA who awarded him the Tom Rozwadowski Medal on a record five occasions: in 1978 (with HW Ittmann), 1981, 1984, 1995 and 1996 (with L Scott). He has also been awarded the prestigious gold medal of the International Society on Multiple Criteria Decision Making.

Theo is a member of the Academy of Science of South Africa, the Operational Research Society, and the Institute for Operations Research and Management Science, as well as a registered professional Engineer in South Africa. He has also been elected fellow of the Royal Society of South Africa, the Statistical Association of South Africa, ORSSA and the University of Cape Town.

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 has also served as 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 boards of the Journal of Multi-Criteria Decision Analysis, the Journal of the Operational Research Society, International Transactions of Operational Research, 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 multi-criteria decision analysis, his services to ORSSA, his role in the international operations research community as well as mentorship to many graduate students at the University of Cape Town over a period of nearly 30 years, Theodor John Stewart is, on this 18<sup>th</sup> day of September 2012, duly awarded a Category I ORSSA Recognition Award.