

FOREWORD

This symposium, entitled “Beyond Ordinary Kriging – Non-Linear Geostatistical Methods in Practice, is the first such event organised by the Geostatistical Association of Australasia (GAA).

The collected papers in this volume cover a range of applications of non-linear estimation techniques. This is the first technical meeting held in Australia dedicated to the topic of non-linear estimation. Non-linear estimation techniques are now becoming widely accepted within the Australian mining community, and are seeing some use in non-mining applications (for example, environmental hazard mapping). As such, the timing of this symposium is good, because it represents a chance to hear the approaches, pitfalls and suggestions of a wide-ranging group of mine-site practitioners, geological, geostatistical and statistical consultants and academics.

Papers presented at this symposium deal mainly with mining examples, but the techniques presented have wider application. In particular we have several papers on the topic of modelling geological geometry and continuity using non-linear methods.

The subject of conditional simulation, the other family of non-linear methods now operational, was excluded from this symposium, because the GAA plan to run a similar symposium in 1999 devoted to application of simulation techniques.

As convenor, I would like to thank a number of people for their assistance in the hard work of organising this symposium. Most importantly, Meredith Gillespie (Geoval) put in most of the organisational “leg-work” and did a first class job. Thanks go to Geoval for their support in these administrative matters. Fellow executive committee member Bill Shaw (Mining and Resource Technology) and I shared the task of editing and reviewing papers, and GAA President, Louis Voortman, and Secretary, Ian Glacken, (both of Snowden Associates) also lent assistance. Sonja Neame of Resource Service Group helped with the financial and banking aspects. Thanks go to all of these individuals.

To our major sponsors: Edith Cowan University, Mining and Resource Technology and Resource Service Group, we extend our thanks.

The Australian Institute of Geoscientists (AIG) lent logistical assistance on a number of matters. Both the AIG and the Australian Institute of Mining and Metallurgy helped with promotions.



Thanks also to satchel sponsor, Geoval, and to those companies purchasing display booth space for the symposium: Gemcom, Global Mining Services, Geoval and Snowden Associates. Other sponsors were Arne Berckmans and the CSIRO Division of Mathematical and Information Sciences.

Finally, thanks to authors, members of the GAA, and others, attending this first historic symposium.



John Vann
GAA Executive Committee
Perth, October 1998.

2003 Addendum

This volume was re-edited to fit the standard GAA symposium volume format, for publication as a compact disc. Proof-reading of the volume was undertaken by Stella Searston, Roger Cooper and John Warner. John Vann designed the cover artwork, which was then produced by John Warner. The CD design, layout and manufacture were due to John Warner.

*Stella Searston and John Warner,
May 2003.*