

follow-up values demonstrated the advantages of the new methods. Following the clear demonstration of the validity of the new methods, Anglovaal fully supported the application of Danie's methods on their mines, as well as the publication of these findings, both locally and internationally, particularly at international conferences. In addition, Wits University awarded Danie a DSc(Eng) degree in recognition of this work. This led to the award of two Honorary Doctorate degrees in South Africa, from the University of Pretoria and the University of South Africa (UNISA), and a third from the Moscow State University, in addition to numerous other awards both locally and overseas.

The fifth gift of grace Danie acknowledged was that on retirement from Anglovaal at the age of 60, he accepted the

unexpected opportunity of taking up the chair of Professor of Mine Economics at Wits University, which he occupied for the next 10 years. This enabled him to teach and undertake extensive consulting work for mining companies both locally and internationally, and was, in his opinion, a great blessing.

The final gift of grace that Danie recognised was that after his retirement from Wits University he was able to undertake extensive national and international consulting work which he believed kept him occupied and young for the following 20 years. Danie also acknowledged, with deep gratitude, that while the opportunities presented themselves to him, his was the responsibility to make good use of them, and that without these gifts of grace his life's work would not have been possible.

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## Criteria for the Annual Danie Krige Medal Award

**D**aniel Gerhardus Krige (26 August 1919 – 3 March 2013), one of South Africa's most influential mining engineers and geostatistician of international repute, passed away last year. Danie was a recipient of the Brigadier Stokes award in 1984 – this is the Institute's highest recognition of contribution to the minerals industry.

Following discussions at Office Bearers and Council during 2013 it was agreed to honour his memory and contribution to the mineral industry through three activities:

- The publication of a Danie Krige Commemorative Volume of the Journal. This is planned for March 2014 with a number of papers (37) having been submitted to the publications committee to date
- An annual Danie Krige Memorial Lecture to be facilitated by the School of Mining Engineering at the University of the Witwatersrand
- The annual award of a Danie Krige medal for a qualifying geostatistics paper published by the SAIMM in the previous year.

### Selection criteria

The Danie Krige Medal will be awarded annually to the author (or co-authors) of the best geostatistical paper published in the previous calendar year. Accordingly, SAIMM members would be invited to nominate and/or submit papers for consideration on an annual basis.

The following criteria will govern the award:

- i. Papers on theoretical or applied geostatistics are eligible
- ii. The papers must have been published in the Journal of the SAIMM in the preceding calendar year
- iii. Nominations for the award may be made by a member of the SAIMM (who is not an author) or submissions may be made by the author(s)

- iv. Nominations and submissions must be submitted by email in pdf format to the SAIMM for attention of the Chairperson of the Danie Krige Medal Committee;
- v. An individual may only submit one paper (or be nominated, based on one paper) for the award in any year
- vi. No award will be made if none of the papers in a given year meet the minimum standards of the Danie Krige Medal Committee. In evaluating papers, the committee will use the following criteria and apply their professional judgement:
  - a. The impact and contribution to knowledge of the paper in its specific field
  - b. How innovative are the ideas or techniques described in the paper
  - c. The relevance of the problem being addressed
  - d. How well the paper is written (language, structure, supporting figure etc.)
- vii. Only one paper, or one series of papers on a topic by the same author, per year will qualify for the award
- viii. The decision of the Danie Krige Medal Committee on the award of the medal will be final
- ix. Award of a Danie Krige Medal excludes the winning paper from consideration for any other SAIMM publications awards i.e. the SAIMM Gold and Silver medals for Journal papers.

The Danie Krige medal will comprise a 38 mm diameter medal in 9 carat gold in an engraved rosewood case and carry an impression of Danie Krige on one side and the SAIMM logo on the other.

*G.L. Smith*

*Immediate Past President, SAIMM*