

Abbreviated Biography: Rudolph Louw

Postnet Suite 514. Private Bag X1015, Lyttelton 0140, South Africa

Rudolph currently is the Director of the Wits Transnet Centre of Systems Engineering, addressing systems thinking as a cornerstone support of academic-industry collaboration in support of *inter alia* Transnet's Market Demand Strategy (MDS) of ZAR 307billion capital renewal over 7 years as well as its Long Term Planning Framework strategy. He holds the position of Treasurer of the SA Heavy Haul Association as well as Member (Governance) of the SA System Dynamics Association.

Rudolph has completed his B Mil (Physics), B Eng (Mech) *Cum Laude* and M Eng M degrees, two Boeing strategic leadership courses at the Boeing Leadership Centre in St Louis, USA, a post-graduate short course on Technology Management at UCT and successfully completed a number of other courses, including systems engineering and systems and project management courses amongst the 25-odd training courses.

Previously he was the Director of the SA National Aerospace Centre; Executive Director of Boeing International for Eastern and Southern Africa; Managing Director of Analysis, Management & Systems and projects and programme Manager at Armscor. He has operated a successful high-technology consultancy for a number of years, consulting to inter alia the IDC, Wits, SDI Lasers and others. He has a sole representative right to a US-based Regional Freight Feeder new aircraft corporation for the African market and selectively teaches short courses.

He has been responsible for more than 200 projects, guiding and developing a number of strategic Programme portfolios and establishing and developing partnerships around business and projects with more than a hundred organizations in 35 countries.

He left the SA Defence Force in 1987 as Lieutenant-Colonel having served in the SA Artillery Corps, been Projects Engineer at SA Army Directorate Projects and has been awarded the 10 year meritorious service medal as well as the Pro Patria Medal with Cunene Clasp.

Rudolph's focus currently is the expansion of Systems Thinking, - Engineering, - Approaches, - Methodologies and Science across a broad spectrum.

He currently is enrolled in the first cohort of INCOSE International's Institute for Technical Leadership's Technical Leadership course which runs over two years, having started July 2015 in Seattle where 28 students from across the world are participating in. As of 2016 this first cohort will be expected to start a mentorship schema for the second cohort that is scheduled to start their 2-year cycle in 2016.

PRELIMINARY GOALS AND OBJECTIVES AS POTENTIAL INCOSE SA PRESIDENT ELECT:

Should I be elected as President Elect for INCOSE SA chapter during this round of elections, I then shall pursue the following broad objectives with hopefully the support of the dedicated SA INCOSE CMC Team:

- Continue with the improved governance activities that were started during the initial tenure of my previous INCOSE officership.
- Once again actively participate in the INCOSE Awards adjudication activities leading up to IW 2016 in LA in January. This contribution to INCOSE Central not only raises INCOSE SA's visibility, but also contributes to enhanced networking and engagements globally.

