

5th Annual INCOSE SA Conference
12-14 August 2008



CSIR International Convention Centre, Pretoria, South Africa

Systems Engineering: Success Stories and Lessons Learned

Final Programme

12 August 2008	
<u>Tutorial 1</u> Niels Malotaux, NR Malotaux – Consultancy, The Netherlands <i>Slash Project Time with Evolutionary Methods</i>	
<u>Tutorial 2</u> Dr Richard Weeks, University of Pretoria <i>Engineering Service Science in a Rapidly Changing Economy</i>	
<u>Tutorial 3</u> Dr Gerrit Viljoen, Denel Dynamics <i>System Design</i>	
08:00-09:00	Coffee & Tea, Registration for Tutorials
09:00-11:00	Tutorials
11:00-11:30	Coffee & Tea
11:30-13:00	Tutorials
13:00-14:00	Lunch
14:00-15:30	Tutorials
15:30-16:00	Coffee & Tea
16:00-17:00	Tutorials

13 August 2008

08:00-09:00	Coffee & Tea, Registration for Conference
09:00-09:20	Opening, Albertyn Barnard INCOSE SA President Lambda Consulting
09:20-10:20	Keynote address, Niels Malotaux NR Malotaux – Consultancy, The Netherlands <i>Time - The Forgotten Requirement?</i>
10:20-11:00	Ad Sparrius Ad Sparrius System Engineering and Management <i>The Economy is not a Toaster</i>
11:00-11:30	Coffee & Tea
11:30-12:10	Cobus Oosthuizen ESTEQ PLM <i>Product Lifecycle Management as a tool for Construction Management</i>
12:10-12:50	Ray Jenkins RDL Technologies <i>Valuable Lessons Learned Performing WLC Analysis for the UK MoD</i>
12:50-14:00	Lunch
14:00-14:40	Dr Karen Marais, Marike Nel, Jacobus Slabber University of Stellenbosch <i>Lessons that should have been learnt: Common Systemic Factors in Accidents</i>
14:40-15:20	Charl Petzer Pebble Bed Modular Reactor <i>PBMR Design for Nuclear Safety Process</i>
15:20-15:40	Coffee & Tea
15:40-16:20	Francois Retief FALK Systems Engineering and Consulting <i>Practical Experience in the Successful Delivery of Large Scale Software Based Systems</i>
16:20-17:00	Duarte Gonçalves CSIR DPSS <i>Coordination : Processes and Beyond</i>
17:00-19:00	Social function

14 August 2008

08:00-09:00	Coffee & Tea, Registration for Conference
09:00-09:20	Opening, Dr Siebert Benade INCOSE SA President-Elect University of Pretoria
09:20-10:20	Keynote address, Dr Ayman El-Fatary Systems Engineering Innovation Centre, United Kingdom <i>Disruptive and Emerging Technologies - a Systems Engineering Perspective</i>
10:20-11:00	Madalein Young Arm Scor <i>System Development: a Few Lessons Learned</i>
11:00-11:30	Coffee & Tea
11:30-13:00	Panel discussion Dr Ayman El-Fatary, Systems Engineering Innovation Centre; Alwyn Smit, CSIR DPSS; Johan Strydom, CSIR DPSS; Dr Siebert Benade, University of Pretoria <i>The Need for a National Systems Engineering Initiative</i>
13:00-14:00	Lunch
14:00-14:40	Piet de Klerk Deksystech <i>Systems Design in Different Industries or Markets</i>
14:40-15:20	André Labuschagne Pebble Bed Modular Reactor <i>Product Development – Structuring for Success</i>
15:20-15:40	Coffee & Tea
15:40-16:20	Dr Ben van Tonder Consultant <i>From Bid Winning to Project Closure: System Life Cycle Management for Business Success</i>
16:20-17:00	Closing keynote address, Dr Jasper Coetzee M-Tech Consulting Engineers <i>Poor Maintenance poses a risk for the Systems Engineering industry</i>
17:00-17:10	Closure & Best Paper Award, Albertyn Barnard