

Invited speakers for SAIIE 27, October 2016

Ms Janie Basson

Resolve Solution Partners
South Africa



Presentation: *Global, sustained forces: How demographic, economic, social, technological and climate change trends impact the future of industries and professional services*

With a passion for process and technology, Janie completed a B. Eng Industrial Engineering from the University of Pretoria as well as a B.Comm (Hons) in Logistics from the same institution. She has also completed an executive development programme at a well-known South African financial institution which included International and local business school exposure. In order to hone her strategic skills, Janie did a post graduate degree in Futures Research from the University of Stellenbosch Business School.

More than a decade of techno-financial consulting to C-level including process improvements and strategic technical investment decision support. Completing the people-process-technology triangle, Janie spent a short time in people consulting, improving her organisational design and labour law experience.

Involvement in academia included lecturing undergraduate levels on production management as well as executive education focusing on Futures Research, Strategy Development and Systems Thinking.

Janie's career gained great depth in the Financial Services Industry where she held senior positions in Technology R&D, Enterprise Architecture, Direct Channel Strategy as well as C-level positions in leading technology suppliers to the industry. She currently holds the position of Business Development Executive at Resolve Solution Partners.



Hugh E G Brown

Chairman, Hugh Brown & Associates Limited,
Johannesburg, South Africa

Presentation: *Challenges and Opportunities - Industrial Engineered Solutions for the Capital Project¹ Industry*

¹ *Mining and Energy Industries*

Hugh Brown was born in Johannesburg in 1956 and attended the St John's Preparatory School And College in Houghton Johannesburg from 1963 - 1974. After school he joined the S. A. Navy, where he finished the BWT Programme for Executive Officers at the Military Academy in Saldanha Bay/SAS Simonsberg and at sea. In 1979/80 he graduated with full HWC and BWC and undertook voyages totaling more than 25 000 miles at sea. Between 1982 and 1983, he finished the modular part time programme USB MBA/Diploma Programme in Human Resources.

CAREER:

Naval Officer – Executive Branch SAN 1976 – 1981.

Intepro – Integrated Productivity systems (Pty) Limited – Founder -my own company consulting on industrial engineering and manpower productivity development in manufacturing and production industries such as heavy engineering, beneficiation and textiles – 1981 – 1984 assisted by Yakov Kedem Msc Eng. (Ben Gurion of the Negev) from Israel in Cape Town.

Training and Development Manager Stienmüller Africa (Pty) Ltd 1984 – 1986 (a main contractor or EPC) for 4 power stations, Kriel, Duvha, Tutuka, Matimba, Majuba totalling 18000MW. Trained blue collar and management at all levels – more than 4000 employees.

General Manager Marketing and Strategic Planning – Steinmüller Group of Companies – 1987 – 1989 – Guiding and compiling strategic plans for 5 companies, in component manufacture, construction equipment supply and services, leading market diversification programme into the Petro chemical industries. Reporting to the group MD.

General Manager – Strategic Planning – IMS (Industrial Machinery Supplies) 1989 - 1991 – reporting the Group Chairman- responsible for 4 division's business strategies along with the directors in power turbines, steel making equipment process plant and mining equipment.

Founded Hugh Brown & Associates (under License from Tuppeny & McGowan USA), a capital project consultancy and then project development company. 1991 – to date – for more detail see my profile at Linked-in or go to www.hughbrownassociates.com. I have been involved in mining, processing, energy and infrastructure across a wide spectrum of locations for more than 25 years.



Pieter Geldenhuys

Institute for Technology Strategy and Innovation, Stellenbosch, South Africa

Presentation: *Business Unusual*

Pieter Geldenhuys is a renowned Futurist and Innovation expert. He is unashamedly passionate about the benefits and opportunities that the future will unlock.

He was a Technology Strategy advisor to the CEO of Vodacom between 2005 and 2011, and the previous Vice-Chair of the Innovation Focus Group at the International Telecommunication Union in Geneva, Switzerland.

He is the Founder and Director of the Institute for Technology Strategy and Innovation, aligned with North-West University. Over the past decade, he has guided more than 3000 students and more than 80 innovation projects within South Africa's largest technology companies. As academic, he was honoured in 2014 with a nomination to the prestigious South African Academy of Science and Arts.

As public speaker, he has more than 800 radio and more than 1000 public appearances under his belt, and has spoken to audiences in more than 20 countries.

He is currently undertaking research on a new TV series entitled "2025".

He believes the only way to effectively predict the future is to create it.



Prof Dr Ir Erwin W Hans

Faculty of Behavioural, Management & Social Sciences,
University of Twente, Enschede, The Netherlands

Presentation: *Towards integral optimization of healthcare processes*

Erwin W. Hans is a Professor Operations Management in Healthcare with full tenure. He obtained his MSc degree in Applied Mathematics in 1996, specializing in mathematical modeling and operations research. He received his doctorate from University of Twente (UT) in 2001, having studied resource capacity planning with applications in discrete manufacturing and project environments. He now works in the department Industrial Engineering & Business Information Systems and within the research institute CTIT of the University of Twente. He is program director of the Industrial Engineering & Management BSc and MSc program, and board member of the (joint TU/e and UT) Beta research school for PhD students. His research focuses on the area of healthcare Operations Management and Operations Research. He co-founded the Center of Healthcare Operations Improvement & Research (CHOIR - <http://www.utwente.nl/choir>), the Netherlands' center of expertise in healthcare logistics. He works with several (university) hospitals, and has studied many applications like the operating theatre, ICU, and radiology departments. He supervises several PhD students in hospitals, and gives many lectures to both healthcare professionals and (various levels) students.



Prof Amanda Lourens

North-West University (NWU), Potchefstroom, South Africa
Universities South Africa
IDSC Consulting (Pty) Ltd

Presentation: *The University then, the University now and the University of the future – a South African perspective*

Amanda Lourens is a Research Fellow at Universities South Africa (previously known as HESA), Extraordinary Associate Professor in the Faculty of Natural Sciences at North-West University (NWU), Potchefstroom Campus and Director of IDSC Consulting (Pty), Ltd since January 2015. She is currently a Member of the Board of the Human Sciences Research Council (HSRC) for a second term.

She was previously the Vice-Rector: Research and Planning, Potchefstroom Campus, NWU, Director: Research Support at NWU, Director: Research and Development at Tshwane University of Technology, Head of Statistical Support and Strategic Research, Strategic Information and Planning at Technikon Pretoria and Lecturer in the Department of Statistics at the University of Pretoria. She has a PhD in Applied Statistics from the University of Pretoria as highest qualification.

She was previously a Member of the Advisory Council of the DTI/NRF THRIP programme and member of the Higher Education South Africa (HESA) Research and Innovation Strategy Group for a second term. She was also a member of the North-West University Council, past President of the Southern African Research and Innovation Management Association (SARIMA), past President of the South African Statistical Association (SASA) and past Chairperson of the Southern African Association for Institutional Research(SAAIR). She was also appointed by the Minister of Science and Technology on the International Committee for the development of a National Integrated Cyber-Infrastructure System in 2012. She was previously a member of the Executive Committee (and founding member) of the National Research Information Management System (RIMS) Consortium, Appointed on the Ministerial Task Team on Research Development Grants of the Department of Education, Deputy-Chairperson of the North-West Research Coordinating Committee in the Office of the Premier, Member of the Steering Committee on the “Project on Evaluation and Rating Data” of the National Research Foundation.

She has been an External examiner for various postgraduate students and supervised eight Masters and Doctoral students, received research grants from the National Research Foundation, Association for Institutional Research (USA) and the W.F Kellogg Foundation (USA), acted as reviewer for various research journals, Published 25 papers in accredited and non-accredited research journals, presented many papers nationally and internationally at conferences.



Prof Corné Schutte

Department of Industrial Engineering
Stellenbosch University, Stellenbosch, South Africa

Presentation: *The Status and Challenges of Industrial Engineering in South Africa*

Prof Corné Schutte was born in 1963 as the eldest of three children and spent his childhood on a farm in the Lowveld. He matriculated at Bergvlam High School in Nelspruit in 1981, with seven distinctions. His tertiary studies culminated in the following qualifications: BEng in Industrial Engineering in 1985, BEng(Hons) in Industrial Engineering in 1986, and MEng in Industrial Engineering in 1988, all obtained cum laude at the University of Pretoria.

In 1989 he joined Paradigm Systems Technology in Pretoria and began a career in industry. Initial projects to which he contributed were done for the South African Air Force, but the company also became involved in marketing its products and services internationally. Prof Schutte joined the international marketing team of the company, and became involved in projects in France and the United Kingdom.

As a consequence, his services were also used for a project for the Sabre Group in Texas, USA, with Cathay Pacific as a client in 1997, and later also for BAe Systems in the creation of a joint venture with IFS.

In 1999 he relocated to New Mexico, USA, to join a small software development company in order to develop products for civil aviation markets. The initial clients were Cathay Pacific and Virgin Atlantic, and this again led to the opportunity to work in various locations around the world, ending in Hong Kong in 2004.

Prof Schutte returned to South Africa at the end of 2004 and joined Stellenbosch University as a senior lecturer in 2005. He completed his PhD at Stellenbosch University in 2010, and was promoted to associate professor in the same year.

Meanwhile he had become involved in the Southern African Institute for Industrial Engineering (SAIIE) in 2007, where he started by organising the annual conference, and ended up as the president of the Institute from 2009 to 2011. He currently still serves on the council, and is a director of SAIIE.

At present he is a professor and chairman of the Department of Industrial Engineering at Stellenbosch University, and his current research focuses on innovation, knowledge networks, engineering management and lately also on the status of industrial engineering in South Africa.

He is the editor of the South African Journal of Industrial Engineering (SAJIE), an ISI accredited journal.

He is married to Rene and has three children: Anthony, a 21-year-old stepson, Christian, a very busy toddler, and Kiara, a girl in foster care. They spend their time as a family in Betty's Bay over weekends and holidays, and in Somerset West during the week.