

Suja Joseph-Malherbe: INCOSE SA President

Vision

My vision for INCOSE SA for the next two years is based on the following three foundational principles:

Develop skills-continuity

Develop skills-continuity between experienced engineers and young entrants in field of systems engineering.

Reason: To ensure South Africa continues to have the necessary systems engineering skill in future.

Actions: Build on existing programs (e.g. GYSEYOY and WiSEMOY) and support development of new programs. Increase attendance of young engineers at existing events (chapter meetings and conference).

Share systems engineering value

Share the value of a systems perspective with other engineering domains.

Reason: With increasing complexity, ensure systems engineering is appropriately considered in relevant technology development.

Actions: Reach out to other technology-related professional societies and engage them in INCOSE SA's activities.

Execute Operations Plan

Execute a chapter management operations plan

Reason: Each management committee member is confident in what to do when.

Actions: Learn from and build upon leadership of previous chapter management committees to develop an operations plan with the team.

Biography

Suja's primary role (as Professional Development Manager) with Project Performance International (PPI) is to manage the PPI-provided technical resources that help PPI to serve the professional community. In addition to the Systems Engineering Newsletter (SyEN), these resources include the Systems Engineering Goldmine, Frequently Asked Questions and other web-based resources.

Prior to joining the PPI team, Suja was a senior systems engineer with Garmin Stellenbosch, creating first-of-its-kind outdoor and fitness products. She led the management of software releases, including the testing, deployment and support of new software. Her experience also includes substantial modelling and simulation, image processing, and the development of technology systems, for example a battery pack for the dismounted soldier. This latter work was performed with the Council of Scientific and Industrial Research (CSIR) for the defence industry in South Africa.

Suja received her BSc in Engineering from the University of Witwatersrand, South Africa and her MEng in Electrical and Electronic Engineering from the University of Johannesburg, South Africa. Systems engineering is close to her heart and as such Suja is a staunch supporter of INCOSE. She is currently President-Elect of INCOSE SA, and serves as Chairperson of INCOSE's Ways and Means Committee.

Suja resides in the lovely Cape Winelands of South Africa with her husband Daniël, their son Jeevan, and their snow-white and friendly german shepherd dog, Dyan.