

# Branches



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## South Australia Branch

John Garvey (Branch Secretary)  
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### Technical Meeting

“Equipment analytics and condition monitoring for  
Australia’s current and future naval platforms”



**Dr. Vinay SRIRAM**

**B.E. (1st Class Honours), B.Management, PhD**

**General Manager (Engineering)**

**Date:** 13<sup>th</sup> September 2017

**Time:** 17:30 for 18:00 start

**Venue:** IPACS Australia Pty Ltd  
Module 3  
Endeavour House  
11-15 Fourth Avenue  
Mawson Lakes SA 5095

**Organiser:** John Garvey  
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## **Abstract**

Increasing complexity of defence platforms has created a challenging environment for sustainment. Traditional approaches to the prediction and scheduling of sustainment activities need to be transformed in response to this complexity. Operational equipment analytics and condition monitoring provides the framework for the transformation of sustainment in defence. For example, in submarines this approach will enable the ADF to move from a data rich environment to a information rich environment, with informed decision making on how to schedule direct and execute maintenance activities in an informed decision environment. For the Army, future health and usage monitoring systems on military platforms will transform the prediction availability and reliability. For the ADF in general, enabling the safe and secure sharing of sustainment data among sustainment contractors jointly responsible for platforms will have widespread benefits through joint modellings of cause and effect prediction of equipment condition.

IPACS General Manager, Dr. Vinay Sriram, will present on the IPACS approach towards equipment analytics and condition monitoring for the ADF.

## **Speaker profile.**

Dr. Sriram joined IPACS in 2010 and is currently the General Manager of Engineering. He is responsible for leading the acceleration of growth in the company's mining business. Dr. Sriram started his career with the Defence Science and Technology Organisation. He later worked as a post-doctoral fellow at Imperial College London and as a research fellow at Harvard University. He was previously the associate editor of the IEEE Systems Journal. Dr. Sriram completed his Bachelor of Engineering on a BAE Systems scholarship and PhD on an Australian Postgraduate Award Industry scholarship. At IPACS, Dr. Sriram led major mining and defence condition monitoring projects.

Students are encouraged to attend.

This presentation is eligible to contribute to participants CPD.

**Please register your interest to attend - [secretary.ausa@imarest.org](mailto:secretary.ausa@imarest.org)**