



Operational Research Society of Singapore

Kent Ridge P.O.Box 1044, Singapore 911102

email: orss@pacific.net.sg • website: <http://sunsite.nus.edu.sg/ORSS/>

JOINT SEMINAR

with

DSO National Laboratories

On

Boyd's OODA Loops and Operations Research

- Speaker:** Professor Bard Mansager, Naval Postgraduate School, USA
- Date:** 15 August 2006 (Tuesday)
- Time:** 3:00 p.m. – 4:00 p.m.
- Place:** DSO Auditorium, DSO National Laboratories, 20 Science Park Drive
- Abstract:** John Boyd was a fighter pilot who revolutionized the entire spectrum of American military thought (including war fighting doctrine) through the introduction, development, and subsequent popularization of the concept of the OODA loop. His ideas have been heretofore viewed as being strictly qualitative, but Taylor has very recently pointed out that inherent in his work are significant new quantitative OR problems that reflect the fundamental nature of warfare. These problems are just now being unraveled in research being conducted at the Naval Postgraduate School (NPS) and have opened up new vistas for mathematical modeling and other scientific fields. The author will review such developments in view of his thesis work at NPS. Insights to be gained into the nature of future warfare and the development of new analytical tools (including the development of software) for such investigations will be stressed.
- About the Speaker:** Professor Bard Mansager is currently a Senior Lecturer in the Department of Mathematics, Naval Postgraduate School. His research interests include combat modeling and he has published papers in journals such as the International Journal of Mathematical and Computer Modeling and Military Operations Research. He has also received awards such as the Schieffelin Award and the Northrup Grumman Faculty Award for Excellence in Systems Engineering and Integration.
- Information:** Email: orss@pacific.net.sg