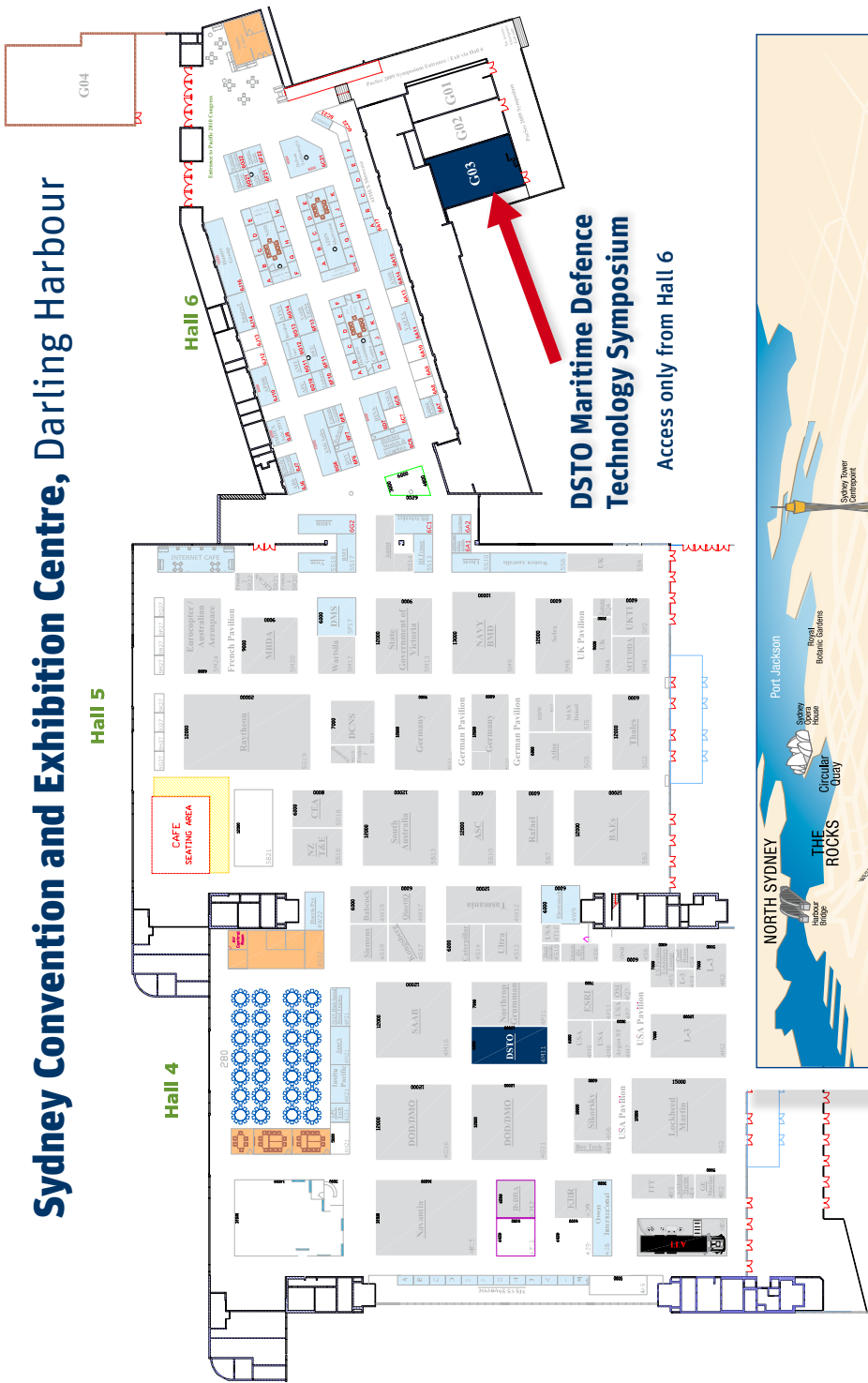


Sydney Convention and Exhibition Centre, Darling Harbour



Australian Government
Department of Defence
 Defence Science and
 Technology Organisation

PROGRAM

DSTO Maritime Defence Technology Symposium Pacific 2010

Darling Harbour, Sydney
 27-29 January 2010

DSTO Maritime Defence Technology Symposium

Wednesday 27 January 2010

- 2:00 - 2:10 Welcome
Professor Robert Clark, Chief Defence Scientist
- 2:10 - 2:30 Opening address
The Hon Greg Combet AM MP
Minister for Defence Personnel, Materiel and
Science

Session Theme – Undersea sensors and networks

(Session chair - Dr David Liebing, Research Leader, DSTO Maritime Operations Division)

- 2:30 - 3:00 [Australian Anti Submarine Warfare and the challenges we face](#)
Dr Andrew Davies, Australian Strategic Policy Institute
- 3:00 - 3:30 [Canada's 'Northern Watch Program'](#)
Dr. Garry J. Heard, Group Leader, Networked Autonomous Littoral Surveillance, Defence R&D Canada
- 3:30 - 4:00 [Australian Autonomous Underwater Surveillance System Network \(AUSSNet\) – Status and future development](#)
Alessandro Ghiotto, L3-Nautronix
- 4:00 - 4.30 Panel discussion chaired by Dr David Liebing

Thursday 28 January 2010

Session Theme – Anti submarine warfare – sensor developments

(Session chair – Dr Chris Norwood, Acting Chief DSTO Maritime Platforms Division)

- 10:00 - 10:30 [USN Unmanned Maritime Vehicles Systems Program](#)
Mike Alperi, Deputy Program Manager, Unmanned Maritime Vehicles Systems, US Navy
- 10:30 -11:00 [Advances in sensor technology 1](#)
Michael Clark, Director Research & Technology, Thales Australia
- 11:00 -11:30 [Advances in sensor technology 2](#)
Doug Burd, Managing Director, ULTRA Systems Australia
- 11:30 - 12:00 [Magnetic tensor gradiometry for airborne submarine detection](#)
Dr Cathy Foley, Research Program Leader, Devices Systems & Engineering, CSIRO
- 12:00 - 12:30 Panel discussion chaired by Dr Chris Norwood

Friday 29 January 2010

Session Theme – Combat and information systems integration

(Session chair – Dr Mark Krieg, DSTO Maritime Operations Division)

- 9:00 - 9:30 [US naval open architecture efforts](#)
Nickolas Guertin, Deputy Director for Open Architecture, US Navy
- 9:30 - 10:00 [Integrating emerging ICT technologies into maritime platforms](#)
Capt Charles McHardie, Director-General Navy Communications and Information, Royal Australian Navy

- 10:00 - 10:30 [Maritime tactical networking](#)
Martin Jordan, Trident Warrior Coalition Lead Engineer, US Space & Naval Warfare Systems Command, US Navy
- 10:30 - 11:00 [Modularity: Naval ship modernisation with reduced cost and increased flexibility](#)
Marc DeBlasio, Program Director, Maritime and Tactical Systems, Northrop Grumman
- 11:00 - 11:30 [Developing the next generation of combat systems engineers](#)
Prof Stephen Cook, Defence and Systems Institute (DASI), University of South Australia
- 11:30 - 12:00 [Systems integration risk framework](#)
Paul Amey, Defence Systems Technical Advisory Unit
- 12.00 - 12.30 Panel discussion chaired by Dr Mark Krieg

Session Theme – Sensor weapons integration

(Session chair - Dr Warren Marwood, Research Leader, DSTO Electronic Warfare & Radar Division)

- 2:00 - 2:30 [Assessment of ship hardkill/softkill weapons coordination for force protection](#)
John Binford, EW Modeling and Simulation Branch Head, US Naval Research Laboratory
- 2:30 - 3:00 [Shipboard integration of sensor and weapons systems](#)
Greg Walker, Project Director, Above Water Warfare, Defence R&D Canada
- 3:00 - 3:30 [Geospatial and temporal referencing and the Above Water Integrated Sensor Suite Program](#)
Jon Hiscock, Naval Systems Department, Dstl, UK
- 3:30 - 4:00 Panel discussion chaired by Dr Warren Marwood

*Program is subject to change.

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