

DEFENCE TECHNOLOGY ASIA (DTA) 2010

Singapore Expo Convention & Exhibition Centre, Singapore

Day 1, Wednesday 19th May 2010

OPENING CEREMONY

Guest-of-Honour: Rear Admiral Chew Men Leong, Chief of Navy, Republic of Singapore Navy

7.30 AM	REGISTRATION AND COFFEE	
8.45 AM	DTA WELCOME	
8.50 AM	Keynote Address Rear Admiral Chew Men Leong , Chief of Navy, Republic of Singapore Navy	
9.10 AM	Keynote Address - The Central Role Of R/T In The Defence Planning & Acquisition Process Rear Admiral Onofrio Flagiello , Chief of Office, Directorate of Naval Armaments, Technical Coordination General Office, Italian Ministry of Defence	
9.30 AM	Keynote Address - Future Development of Swedish Submarine Capability Captain Jonas Haggren , Commanding Officer, 1 st Submarine Flotilla, FMV, Swedish Defence Materiel Administration, Swedish Armed Forces	
9.50 AM	DTA 2010 Exclusive - CEO 360 Defence Outlook COL (R) Ratan Shrivastava , Consultant (Defense), Aerospace & Defense, India, Frost & Sullivan	
10.10 AM	DTA 2010 EXHIBITION OPENING & COFFEE BREAK	
11.00 AM	MARITIME SECURITY DIALOGUE Session Co-Chair: LTC Chow Ngee Ken Stephen , Group Commander, Maritime Security Task Force Session Co-Chair: COL (R) Ratan Shrivastava , Consultant (Defense), Aerospace & Defense, India, Frost & Sullivan <u>Supporting Maritime Surveillance Activities using Earth Observation Satellites</u> Ms Federica Mastracci , Head of Geo-spatial Products and Services, E-Geos <u>Archimede, An Integrated Network-Centric Solution Supporting Situational Awareness and Protection</u> Mr Matteo Cresta , System Engineer, Large System Homeland Defence, Selex Sistemi Integrati Spa <u>The Sea Giraffe AMB – Optimized for All Naval and Coast Guard Missions</u> Captain Bo Wallander , Director, Business Development, SAAB Electronic Defence Systems <u>Under Water Automated Identification Systems for Deconfliction of Submarine and Surface Assets</u> Dr John Potter , Principal Scientist, NURC	
12.00 PM	Lunch	
	TRACK 1	TRACK 2
	NAVAL SURFACE SHIPS	SUBMARINE & ASW
	Emerging Platform Technologies	
	Session Chair: Principal Engineer Andy Tay, Deputy Head Naval Logistics (Platforms Systems), Naval Logistics Department, Republic of Singapore Navy	UNMANNED VEHICLES & SYSTEMS
		USV Platforms and Technologies
		Session Chair: Mr George Loh, Head (Maritime Systems), Defence Research & Technology Office, Ministry of Defence
1.00 PM	<u>A26 – The Next Generation Swedish AIP Submarine</u> Mr Ronny Andersson , Programme Manager for A26, ThyssenKrupp Marine Systems International/ Kockums AB (TKMS)	<u>Design and Development of NLGNC for a Low-Cost USV</u> Mr Lim Chin Wee , Member of Technical Staff, DSO National Laboratories
1.20 PM	<u>Design Considerations for Submarine Mounted Towed Array Handling Systems</u> Mr James McCallum , Director of Engineering, Curtiss-Wright Controls – Indal Technologies	<u>Unmanned Maritime Systems - Italian Details In the Fabric</u> ING. Enrico Guadalupi , Italian Secretariat of Defence and National Armaments Directorate, Italian Ministry of Defence
1.40 PM	<u>Simulation-Based Design of Navy Ships</u> Dr Lars Grünitz , Senior Manager , Naval Services, Regional Asia/ Pacific, Germanischer Lloyd (GL)	<u>USV Autonomy in KIN Protection Tasks</u> Mr Wong Chee Wee , Member of Technical Staff, DSO National Laboratories
2.00 PM	<u>Integrated Mast: Innovative System, Innovation in Technology</u> Mr René de Jongh & Jos de Kraker , Technical Director, Thales Naval sensors; Portfolio Development Manager Integrated Mast, Thales	<u>MyModels - USV model in the virtual world</u> Ms Teo Siew Geok , Principal Engineer/Co-Leader Core Competency Centre (Platform), ST Electronics (Training & Simulation)
2.20 PM	<u>High Altitude ASW: Benefits and Limitations</u> Dr ING Claudio Ceccarini , Regional Delegate, Eurotorp	<u>Integrated Missions using AUV and USV</u> Mr Sagar Pai , Research Fellow, ARL / TMSI, National University of Singapore - Acoustic Research Laboratory
2.40 PM		<u>MULDIS System of Systems Concept for Integration of Multiple UxV Systems in New-build & Existing Naval Platforms</u> Dr Jacek Skowronek , Group Expert System Architecture, Thales
3.00 PM	Coffee Break	
	NAVAL SURFACE SHIPS	UNMANNED VEHICLES & SYSTEMS
	Advanced Maintenance Strategies	
	Session Chair: Mr Lam Yen Chin, Deputy Vice President, Area ASEAN/South Asia, Germanischer Lloyd AG	AUV Platforms and Technologies
		Session Chair: Mr Goh Ing Nam, Program Manager for Underwater Sensors, DSO National Laboratories
3.20 PM	<u>On the Economics of Trust – The RSN Experience in Outcome-based Contracting</u> Mr Lim Lian Nang , Head Strike Craft Section, Naval Logistics Department, Republic of Singapore Navy, Ms Ong Siew Fong , Staff Officer, Platform Engineering Branch, Republic of Singapore Navy	<u>The Future Of Mine Counter Measure With The Key Role Of Drones</u> Mr Laurent Giacottino , Deputy Director of the Centre Of Excellence for Naval Drones – Singapore, Thales
3.40 PM	<u>Advanced Rules for Naval Ships</u> Mr Lorenz Petersen , Head of Department Naval Projects, Germanischer Lloyd (GL)	<u>Underwater SLAM Experiment with Meredith AUV</u> Mr Pua Soon Lee , Member of Technical Staff, DSO National Laboratories
4.00 PM	<u>RSN Shipboard Aviation Facility Certification Programme</u> Ms Sabrina Teo , Head, Electrical Inspectorate Certification Section, Republic of Singapore Navy	<u>AUV62. A Modular & Scalable 21” AUV System</u> Mr Bert Johansson , Director Business Strategy, SAAB Underwater Systems AB
4.20 PM	<u>Callosum MT, Maintenance Support System, Present Example on Diesel Engines</u> Mr Robert Wiedemann , Senior Manager Application Centre Automation, MTU Friedrichshafen GmbH / MTU Asia	<u>Acoustic Underwater Target Signature Simulation Using The AUV62AT</u> Mr Thomas Lindén , Vice President, SAAB Underwater Systems AB
4.40 PM	End of Day 1	

DEFENCE TECHNOLOGY ASIA (DTA) 2010

Singapore Expo Convention & Exhibition Centre, Singapore

Day 2, Thursday 20th May 2010

7.30 AM	REGISTRATION AND COFFEE	
9.00 AM	Keynote Address - <u>Maritime Surveillance & Intervention - How will current R&T influences the Pace of Improvement in Controlling the Sea ?</u> Dr François-Régis Martin-Lauzer , RADM (FRA N Eng. Corps, Res.), Director, NATO Underwater Research Center, NATO	
9.20 AM	Featured Address - <u>Internal Security Awareness of key stakeholders: Role of People and Technology</u> Mr Puneet Garkhel , Head Fraud Risk Management and Outsourcing, Mahindra SSG	
9.40 AM	DTA 2010 Exclusive - Asia Pacific Naval Communication Market Mr Julius Yeo Chun Siong , Consultant, Aerospace and Defense, Asia Pacific, Frost & Sullivan	
10.00 AM	Coffee Break & Conference Networking Session	
10.30 AM	NAVAL TECHNOLOGY ROUNDTABLE: TECHNOLOGY, THE FORCE DIFFERENTIATOR Session Chair: Mr Raffaele Liberati Rear Admiral Onofrio Flagiello , Chief of Office, Directorate of Naval Armaments, Technical Coordination General Office, Italian Ministry of Defence Dr François-Régis Martin-Lauzer , RADM (FRA N Eng. Corps, Res.), Director, NATO Underwater Research Center, NATO Captain Jonas Haggren , Commanding Officer 1st Submarine Flotilla, FMV, Swedish Defence Materiel Administration, Sweden	
12.00 PM	Lunch	
	TRACK 1	TRACK 2
	NAVAL SURFACE SHIPS	NAVAL SURFACE SHIPS
	Weapons	Platforms and Platform Systems
	Session Chair: Mr Mun Kok Leong , Dy Head Naval Underwater Warfare Centre, Naval Underwater Warfare Centre, Republic of Singapore Navy	Session Chair: Dr Lars Grunitz , Senior Manager, Naval Services, Regional Asia/Pacific, Germanischer Lloyd AG (TBD)
1.00 PM	<u>Rocket Assisted LWT Systems: Benefits & Limitations</u> Dr ING Claudio Ceccarini , Regional Delegate, Eurotorp	<u>Structural Material Assessment & Selection of Light-Weight, High-Performance Naval Ships</u> Dr Loc B. Nguyen , Senior Research Engineer / Program Manager for NSWC Carderock Division, NAVSEA, US Navy
1.20 PM	<u>Low Cost Mini-Torpedoes: Evolutions and Trends</u> Dr Enzo Michelizza , Senior Engineer, Research & Development Dept, Whitehead Alenia Sistemi Subacquei S.p.A. WASS	<u>Spearhead Technology within Classification Rules</u> Mr John Nilsson / Mr Albert Fredriksen , Director Special Projects / Principal Engineer, Offshore Support, HSLC, Naval & Special Ships, ThyssenKrupp Marine Systems International/ Kockums AB (TKMS)
1.40 PM	<u>SIMBAD RC ~ Remotely controlled ship borne lightweight short-range self-defence system for upgrade of OPV/UPV</u> Mr Bruno de la Motte , Senior Advisor, Technical & Military Operations Directorate, MBDA Missile Systems, MBDA	<u>Diesel Engines as Naval Enabler also for A Green(er) Navy</u> Mr Christoph Fenske , Senior Manager Application Center Marine, Naval Surface Craft, MTU Friedrichshafen GmbH / MTU Asia
2.00 PM	<u>Ship Vulnerability Analysis Utilizing AVAL</u> Mr Andreas Tyrberg , MSc, System Engineer, Kockums AB	<u>Advanced Modular Pontoon Systems for Rapid Assembly in Rough Seas</u> Mr Henry L Han , Managing Director, Hann-Ocean Group
2.20 PM	Coffee Break	
	NAVAL SURFACE SHIPS	SUBMARINE & ASW
	Sensors and Electronic Warfare	Advanced Systems
	Session Chair: LTC Teng Haw Kiad , Head, Electronic Warfare Branch, Republic of Singapore Navy	Session Chair: Mr Lim Soon Tein , Vice President (Operations), Systems & Engineering Group, ST Electronics (Info-Software Systems) Pte Ltd
2.40 PM	<u>Active Phased Array Applications in Electronic Warfare Systems</u> Dr Roberto Evangelisti , Advanced Systems manager - Business Development, Elettronica S.p.A	<u>Underwater Tracking Systems: State of the Art</u> Dr Enzo Michelizza , Senior Engineer, Research & Development Dept, Whitehead Alenia Sistemi Subacquei S.p.A. WASS
3.00 PM	<u>A New Generation Gun Fire Control Radars based on Reflect Array Technology</u> Mr P.P. Eibergen , Business Development Manager, Thales	<u>Advanced Battery Systems for Naval Platform</u> Mr Franck Poirier , Business Development Manager – Defence, SAFT
3.20 PM	<u>A Comprehensive Analysis on Detection Performances and Robustness of LPI Signals Filtering Strategies</u> Ms Chiara Badolato , Research & Advanced Systems Design – Technical, Elettronica S.p.A	<u>Delivering a Multi-Static Active Sonar Effect in the Littoral</u> Mr Nigel Davis , Ultra Electronics Sonar Systems, Ultra Electronics
3.40 PM	<u>LYRA Radar Family</u> Mr Matteo Cresta , System Engineer, Large System Homeland Defence, Selex Sistemi Integrati Spa	<u>Advanced SATCOM Solutions for Naval Surface and Submarine Platforms</u> Mr Hugues Lancrenon , Thales
4.00 PM	<u>PHAROS - Multi Target Tracking Radar</u> Thales	
4.20 PM	End of Day 2	