

DIMDEX Maritime Defence Conference 2008:

'Challenges, Capabilities and Co-operation'

18-19 March, 2008

"I believe... the conference rightly reflects the growing importance of the maritime environment in the MENA region"

Jaap de Hoop Scheffer, Secretary General of NATO

The maritime environment has become ever more important in the Middle East and North Africa (MENA), as concerns over the proliferation of Weapons of Mass Destruction technology, maritime terrorism, piracy, illegal trafficking, and political instability, continue to rise. With the transnational nature of these threats, defence of the maritime environment is not only of vital interest to the countries of the region, many of which depend on the sea for their security and economic prosperity, but to the international community, as is evidenced by the growing role of multi-national naval operations in both the Gulf and Mediterranean.

Why Attend?

It is predicted that around 350 naval ships will be procured in the next 10 years by states in the MENA region. With its blend of strategic and technical sessions, the DIMDEX Maritime Defence Conference will provide a unique opportunity forum for discussing how the acquisition of appropriate platforms, systems, and technologies, in accordance with sound concepts of employment and policies, can help meet the strategic challenges faced in the maritime environment

The conference, and its associated exhibition – the first such event dedicated to the maritime region - will bring together senior naval, military, political and industrial figures from nations across the region as well as from other nations with a major maritime security interest in the region. The programme will include addresses from chiefs of navies and leading defence and security analysts, alongside briefings from key industrial players.

Day 1

09:00

Chair: Professor Michael Clarke, Director, Royal United Services Institute for Defence and Security Studies (RUSI), Whitehall, London

Room:

Aljwan 1

Conference Opening Remarks:

- **Professor Michael Clarke**, Director, Royal United Services Institute for Defence and Security Studies (RUSI), Whitehall, London
- **Staff Brigadier (Sea) Mohammed N. Al Mohannadi**, Commander , Qatar Emiri Naval Forces

Keynote Address:

- **Vice Admiral Kevin J Cosgriff United States Navy**, Commander, US Naval Forces Central Command; Commander, US 5th Fleet; Commander, Combined Forces Maritime Component

Plenary Session 1 - Threats and Challenges in the Future Strategic Environment

This session will examine the evolving global strategic landscape, assessing how its evolving shape will affect the MENA region in particular and how emerging and perceived future threats and challenges may manifest themselves. It will examine also how such threats and challenges will affect and shape the defence and security policies of major regional actors.

- **Dr Anthony Cordesman**, Arleigh A. Burke Chair in Strategy, Center for Strategic and International Studies (CSIS)

- **Brigadier (Sea) Said Al-Sowaidi**, Former Chief of the Navy, Qatari Emiri Naval Forces (QENF)

Discussion Session

11:00

Morning Coffee

11:30

Plenary Session 2 - Maritime Security Operations

Room:
Aljwan 1

Maritime security concerns the protection of: national territories and territorial waters; Sea Lines of Communication (SLoCs) and strategic maritime choke points; the internationally-recognized maritime infrastructure and, indeed, the international system itself. Maritime Security Operations (MSO) are not a new task for forces based at sea: delivering security through presence has been a fundamental – and essential – task for navies throughout history and is, indeed, a ‘free good’ generated by forces based at sea as a simple but direct result of their daily activities. However, MSO issues today have greater political and military traction, with navies (certainly) and governments (perhaps belatedly) beginning to understand the importance of the use of the sea and the protection of its SLoCs and choke points in delivering and sustaining the global trade and security web upon which the world relies. The United States Navy’s Global Partnership initiative sparked a significant debate which is now manifested in regional approaches across the world to improving maritime security.

Chair: Rear Admiral Richard Cobbold, Vice President Strategic Development, Duos Technologies

- **Rear Admiral Robert Cooling**, Assistant Chief of Naval Staff, Royal Navy, UK
- **Vice Admiral Michel de Fresse de Monval**, Head of International Relations, French Navy
- **Rear Admiral Tan Kai Hoe**, Chief Of Staff - Naval Staff, Republic of Singapore Navy

Discussion Session

13:00 – 14:30

Lunch

Parallel Sessions

The 12 parallel sessions are designed to allow major industrial players and defence and security analysts to discuss emerging concepts and, in particular, technologies and capabilities. The sessions provide the opportunity for industry in particular to highlight emerging technologies and to demonstrate expertise in critical technology areas. Speakers will outline the significance of such developments, from major surface ships through to micro-technologies, in the context of threats and challenges prevalent in the MENA region.

14:30 – 15:30

STREAM A (Capability Development) Room: Aljwan 1	STREAM B (Information Technology) Room: G008	STREAM C (Weapons) Room: Khosan 2
Parallel Session 1 Chair: Vice Admiral McAnally, Senior Military Adviser, Flagship	Parallel Session 2 Chair: Peter Kuhn, Senior Sales Manager, Naval Weapons Dept, Atlas	Parallel Session 3 Chair: Dr Lee Willett, Head, Maritime Studies Programme, RUSI
<i>Maritime Security</i> • ‘MARITIME AND COASTAL SECURITY: A CUSTOMER’S PERSPECTIVE’ –	<i>Using Information</i> • ‘COMMAND SUPPORT FOR THE MARITIME COMMANDER’ – Jonathan Cunnison MA MSc	<i>Concepts & Capabilities for Unmanned Vehicles</i> • ‘AUTONOMY OR REMOTE CONTROL: THE FUTURE ROLE OF UNMANNED VEHICLES IN THE

	<p>Major General (Ret) Syed Ali Hamid, Head of Land Systems, <i>Kestral Holding</i></p> <ul style="list-style-type: none"> ‘MARITIME UNDERWATER SECURITY OPERATIONS: THE SAAB APPROACH’ – Carl Runemar, <i>Saab Underwater Systems</i> ‘THE SWEDISH MARITIME AND SECURITY TECHNOLOGY CONCEPT – EXPERIENCES FROM AND FUTURE VISIONS FOR OPERATIONS IN A LITTORAL MARITIME ENVIRONMENT’ – Rear Admiral Odd Werin, Deputy Chief Maritime Component Command (CMCC), Royal Swedish Navy 	<p>CEng MIET, Command Information Systems, <i>EDS Defence Services & Stuart Bennett MA MSc Ceng MIET</i>, Head of Sales, Maritime Communications, <i>QinetiQ</i></p> <ul style="list-style-type: none"> ‘DEVELOPING MARITIME ZONE AWARENESS THROUGH AN EFFECTIVE SURVEILLANCE COMMAND SUPPORT SYSTEM’ – Andrew Morrice, Chief Executive Officer, <i>Ocean Software Pty Ltd</i> ‘ACTIONABLE INFORMATION-SHARING: CHALLENGES AND CAPABILITIES IN THE MENA REGION’ – Livingston Davies, Co-founder and Chief Technology Officer, <i>Channel Logistics LLC</i> 	<p>MARITIME DEFENCE ENVIRONMENT’ – Andrew Tonge, Autonomous Systems Product Manager, <i>BAE SYSTEMS Underwater Systems</i></p> <ul style="list-style-type: none"> ‘LI-ION BATTERY SYSTEMS FOR LARGE UNDERWATER VEHICLES’ – Alain Coadou, Defence Systems Business Manager, Space & Defence Division, <i>SAFT Batteries</i> ‘FUEL CELL PROPULSION FOR SUBMARINES’ – Peter Hauschildt, Director, Research and Development Submarines, Conceptual Designs and Projects, <i>ThyssenKrupp Marine Systems AG Submarine Division</i>
15:30	<i>Afternoon Tea</i>		
16:00 – 17:00	<p>Parallel Session 4 Chair: Captain (Reserve, Spanish Navy) Guillermo Cassinello Espinosa, International Business Development, Indra</p> <p><i>Ships</i></p> <ul style="list-style-type: none"> ‘TRANSFORMING THE LITTORAL BATTLESPACE – THE LITTORAL COMBAT SHIP’ – Klaas Kramer, Director International Business Development, <i>Lockheed Martin Maritime Systems and Sensors</i> ‘COASTAL PROTECTION VESSELS’ 	<p>Parallel Session 5 Chair: Mike Codner, Director, Military Sciences Department, RUSI</p> <p><i>Combat Systems</i></p> <ul style="list-style-type: none"> ‘OPEN SYSTEM ARCHITECTURE FOR NAVAL COMBAT MANAGEMENT SYSTEMS’ – Martin Nijenhuis, <i>Senior Sales Manager, Surface Combatant Systems Division, Atlas Elektronik GmbH</i> ‘FUTURE COMBAT SYSTEMS: A 	<p>Parallel Session 6 Chair: Dr Lee Willett, Head, Maritime Studies Programme, RUSI</p> <p><i>Unmanned Air Systems in the Maritime Environment</i></p> <ul style="list-style-type: none"> ‘THE SKELDARM VTOL UNMANNED AERIAL VEHICLE’ – Captain (Ret’d) Anders Carp, Director UAV Systems, Business Development and Marketing, <i>Saab Aerosystems</i> ‘PERSISTENT AIRBORNE SYSTEMS’–

	<p>-</p> <p>David McConnell, Naval Sales Director, <i>Rolls-Royce Naval</i></p> <ul style="list-style-type: none"> ‘LITTORAL SUPREMACY BY VISBY STEALTH TECHNOLOGY – Robert Petersson, Sales Executive, <i>ThyssenKrupp Marine Systems Surface Ships</i> 	<p>DYNAMIC APPROACH’ –</p> <p>Johan Hagg, Senior Naval Analyst, <i>Saab Systems</i></p> <ul style="list-style-type: none"> ‘NETWORK CENTRIC COMBAT MANAGEMENT SYSTEMS FOR LPD/LHD SHIPS’ – Paolo Amadio, Director Business Development for Surface Ships & Sea-Based Missile Defense, <i>Lockheed Martin</i> 	<p>Ron Browning, Persistent Surveillance Systems, Business Development Director, <i>Lockheed Martin</i></p>
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<p>Day 2 09:30</p>	<p>Parallel Session 7 Chair: Rear Admiral Odd Werin, Deputy Chief Maritime Component Command (CMCC), Royal Swedish Navy</p> <p><i>Ship Design & Maintenance</i></p> <ul style="list-style-type: none"> ‘A BREAKTHROUGH IN WATERJET PROPULSION SYSTEMS’ Dr Norbert Bulten, Team Leader, CFD Group, <i>Wartsila Propulsion Netherlands BV</i> ‘DESIGNING THE RIGHT SHIP FOR THE JOB – Richard Regan, Regional Manager Sales & Marketing, <i>Austal Ships</i> ‘SUFFICIENT SHIPS: THE EVOLUTION OF THE OPV AS A SMART SOLUTION’ – Rear Admiral (JG) (Ret.) Jonathan Kamerman, Managing Director, <i>ThyssenKrupp Marine Systems International</i> 	<p>Parallel Session 8 Chair: Nick Hawkyard, Maritime Relations Manager, EDS Defence Services</p> <p><i>Radar and Sonar</i></p> <ul style="list-style-type: none"> ‘THE COMBINED USE OF ACTIVE AND PASSIVE SONAR FOR UNDERWATER HARBOUR SURVEILLANCE’ – Dr Ing. Arne Lovik & Harald Aagedal & Endre Marken, <i>Kongsberg Defence & Aerospace</i> ‘DEVELOPING RADAR SYSTEMS FOR OPTIMUM PERFORMANCE CLOSE-TO-SHORE AND IN LITTORAL WATERS’ – Captain (Ret) Bo Wallander, Director New Project Development, <i>Saab Microwave Systems</i> 	<p>Parallel Session 9 Chair: Andy Tonge, Autonomous Systems Product Manager, BAE</p> <p><i>Unmanned Underwater Vehicles</i></p> <ul style="list-style-type: none"> ‘ADAPTATION OF THE REMOTE MULTI-MISSION VEHICLE FOR UNMANNED MISSIONS’ – William J. Senke, Undersea Systems Business Development, <i>Lockheed Martin Maritime Systems and Sensors</i> ‘THE HOVERING AUTONOMOUS UNDERWATER VEHICLE’ – Timothy J. Alavosus, Ph.D., Director, International Business Development, <i>Bluefin Robotics Corporation</i> ‘AUTONOMOUS MINE HUNTING OPERATIONS, PERFORMED BY THE AUV62 AND THE DOUBLE EAGLE SAROV’ –
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			Carl Runemar , <i>Saab Underwater Systems</i> & Jan Siesjo, Chief Engineer ROV Systems, <i>Saab Underwater Systems AB</i>
10:30	<i>Morning Coffee</i>		
11:00	Parallel Session 10 Chair: Mike Codner, Director, Military Sciences Department, RUSI	Parallel Session 11 Chair: Stuart Bennett, Head of Sales, Maritime Communications, QinetiQ	Parallel Session 12 Chair: Dr Lee Willett, Head, Maritime Studies Programme, RUSI
	Training <ul style="list-style-type: none"> • ‘ENHANCING PC-BASED BRIDGE TRAINING WITH ELECTRONIC NAVIGATION AND SPEECH-INTERACTIVE AGENT CAPABILITIES’ Dr Benjamin Bell, manager, Training Systems, <i>Offshore Systems Ltd</i> & Geoff Tompson, Managing Director, <i>DT Media Ltd</i> • ‘INTEGRATED TRAINING WORK FORCE – A SMALL NAVY PERSPECTIVE’ – Kelvin Chng, Senior Director Defence Business, <i>ST Education and Training Pte Ltd</i> • ‘THE CONTRIBUTION OF GOVERNMENT PARTNERS (IN THE PRIVATE SECTOR) TO MILITARY TRAINING’ – Vice Admiral John McAnally, Senior Military Advisor, <i>Flagship Training Ltd</i> 	Electronic Warfare <ul style="list-style-type: none"> • ‘ELECTRONIC WARFARE IN MARITIME SURVEILLANCE OPERATIONS’ – Captain (Reserve, Spanish Navy) Guillermo Cassinello Espinosa, <i>Indra Sistemas SA</i> • ‘ELECTRONIC WARFARE AND INTELLIGENCE SUPPORT ASSETS’ – Michel Justin, EW/Intel Operational Adviser; Former French Armed Forces (FAF) Intel Officer, <i>Thales</i> 	Weapons <ul style="list-style-type: none"> • ‘HARDKILL TORPEDO COUNTER-MEASURES: THE ONLY SUFFICIENT CHOICE’ – Peter Kuhn, Senior Sales Manager, <i>Atlas Elektronik GmbH</i> • ‘LASER-GUIDED WEAPONS AND THEIR IMPACT ON NAVAL PLATFORMS OPERATING IN THE LITTORALS’ – Marius Thiart, Senior Marketing & Sales Executive, <i>Saab Avionics</i>
12:00 – 13:30	Lunch		

13:30

Plenary Session 3 – Co-operation and Interoperability

Room:
Aljwan 1

Increasing co-operation and interoperability will be fundamental to delivering effective maritime security in the MENA region. Yet while technology is vital to enabling such co-operation and interoperability – for example through improved surveillance and communications capability to generate greater maritime domain awareness – other, non-technical elements arguably are equally if not more important in delivering co-operation and interoperability. Such elements include: improving conceptual and doctrinal interoperability; understanding partners' political, military, and cultural structures and pre-requisites; standardizing – and simplifying practices, principles and procedures; and developing administrative, cross-Government, inter-agency and multi-national political and legal frameworks.

Chair: Dr Jonathan Eyal, Director, International Security Studies, Royal United Services Institute for Defence and Security Studies, Whitehall, London

- **Ambassador Jiri Sedivy**, Assistant Secretary General for Policy & Planning, North Atlantic Treaty Organisation (NATO)
- 'What it Takes to Build Interoperability for Coalition Maritime Security Operations'

Dr Eric V. Thompson, Director of International Affairs Group, Center for Naval Analyses, US
Discussion Session

15:00

Conference Close:

About DIMDEX

DIMDEX is the sister show to the highly successful IMDEX Asia series (held in Singapore), and is the first dedicated maritime defence exhibition to serve the Middle East and North African (MENA) region. The DIMDEX Maritime Defence Conference 2008 - produced in partnership between Qatar MCE Development Institute (QMDI) and RUSI(Qatar) and hosted by the Qatari Emiri Naval Forces - will accompany DIMDEX the 2008 Exhibition. The Exhibition will run from 17-19 March 2008, with the Conference taking place on the second and third days.



The Royal United Services Institute for Defence and Security Studies (RUSI)

The Conference Producers

Established by the Duke of Wellington in 1831, the Royal United Services Institute for Defence and Security Studies (RUSI) is the oldest institute of its kind in the world.

RUSI Qatar:

RUSI's branch in Doha, Qatar reflects the importance that the Royal United Services Institute (RUSI) places on the Arab and Muslim world. RUSI(Qatar) has been established on the basis that a permanent presence and the conduct of theatre based research is critical to understanding the increasingly complex strategic environment of the Gulf and broader Middle East, and the implications of regional developments for international security.

RUSI(Qatar) seeks to promote debate, facilitate dialogue, and enhance understanding, between military and security communities and by decision makers about the current and future threats confronting the region and the opportunities for overcoming them.

Regional stability, developments in the strategic environment, the security of energy supplies, and the threat from Islamic extremism, form the tenets of the Institute's work in Qatar.

RUSI Maritime Studies Programme:

RUSI's Maritime Studies Programme is a research-led activity which provides analysis, conducts research, contributes to RUSI and other publications, and convenes meetings, seminars and conferences on issues relating to maritime security, the maritime operational environment and maritime military capabilities.

The programme focuses on the use of the sea for military purposes, and examines how national defence and security policies shape military strategy in the maritime environment. The programme focuses too on the requirements for the use of maritime forces, the military capabilities which underpin these requirements, and the industrial base designed to deliver these capabilities. The Programme works closely with defence ministries, industry, other stakeholders and, in particular, the Royal Navy. Projects currently under way include reports on the use of the sea in British defence policy, the importance of Sea Lines of Communication, and policy requirements for submarines and surface ships.

The Royal United Services Institute has the capacity to undertake research on behalf of external organizations, research bolstered by the Institute's independence and contacts with key stakeholders in defence and security. RUSI has amassed over the years an unequalled expertise in its field and an outstanding reputation for quality and objectivity.

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