

MSC12 Speaker & Moderator Bios

Dr Allan Cahoon – Royal Roads University President & Vice-Chancellor

Dr Cahoon is President and Vice-Chancellor of Royal Roads University, whose research focuses on women in leadership roles, corporate social responsibility and sustainability, strategic human resources, creating high-performance workplaces, international and cross cultural negotiations and international development. He has authored or co-authored over 40 articles; and has edited or contributed chapters to several books on organizational development and presented more than 75 adjudicated conference papers throughout his academic career. Internationally, Dr. Cahoon – whose second language is Spanish – has been a visiting professor at the National Autonomous University of Mexico. He has also served as a visiting professor at the Monash Mount Eliza Management School in Australia; Yamaguchi University in Japan; and the International Management Center in Budapest, Hungary.

Rear-Admiral (ret) Tyrone H.W. Pile, CMM, MSC, CD

Rear-Admiral Pile enrolled in the Canadian Forces in 1975, and served at sea in a number of Canadian warships, including *HMCS Terra Nova*, *Restigouche* and, in 1983, served briefly aboard Her Majesty's Yacht *Britannia*. RAdm Pile's sea commands include Executive Officer of *Preserver* and Commanding Officer of *Regina*. As CO of *Regina*, his was the first Canadian warship to fully integrate with a US Navy Surface Action Group and Carrier Battle Group for operations in the Pacific Ocean and Arabian Gulf. RAdm Pile's flag-level commands include Canadian Fleet Atlantic, Chief of Staff Assistant Deputy Minister (Human Resources - Military), and Chief Military Personnel and Commander Military Personnel Command. In July 2007, RAdm Pile was appointed Commander Maritime Forces Pacific and Joint Task Force Pacific, which featured a special appointment to lead the Canadian Forces' contribution to security and public safety for the Vancouver 2010 Olympic and Paralympic Winter Games, the largest joint domestic operation ever undertaken in Canada. He retired from the Canadian Forces in September 2010, currently works as an independent consultant, and has recently lectured on Asia-Pacific security and Integrated Security at Royal Roads University, the Canadian Forces College, and the Asia-Pacific Center for Security Studies.

Vice-Admiral Paul Maddison, CMM, MSM, CD – Commander Royal Canadian Navy

Vice-Admiral Maddison was commissioned in 1980, with his sea time equally divided between Canada's Atlantic and Pacific Fleets, including Combat Officer of *HMCS Skeena*, Executive Officer of *Winnipeg*, and command of *Calgary* and *Iroquois*.

His shore appointments have included: Aide-de Camp to the Governor General, command of a joint Space Control Center crew in Colorado Springs, Director-General Maritime Force Development, and Assistant Chief of Military Personnel. In 2008, VAdm Maddison was appointed Commander Maritime Forces Atlantic and Joint Task Force Atlantic in Halifax, and in 2010 served as Deputy Commander Maritime Command and Assistant Chief of the Maritime Staff. VAdm Maddison was promoted to his present rank and assumed Command of the Royal Canadian Navy in July 2011. Since then he has been very active within the RCN and across Canada promoting his "One Navy" vision along the key lines of: Purpose (the role of the RCN as a treasured national institution for a maritime nation in a maritime century), Platforms (the renewal of the fleet as ignited by the Government's National Shipbuilding and Procurement Strategy), People (our dedicated sailors and their families), and Pride (a legacy of naval service to Canada).

Dr Stan Weeks – Senior Defense Scientist, Science Applications International Corporation

Dr Weeks has extensive strategic and operational planning experience in business, defense, foreign policy, and international and regional security contexts. He joined Science Applications International Corporation (SAIC) in 1990, following a 24-year career in the US Navy, including destroyer command as the flagship captain for NATO's multinational standing naval force. Featured among his many national and international projects are developing defence planning scenarios for the 2010 US Quadrennial

Defense Review, assisting the establishment of the Asia-Pacific Center for Security Studies, advising the State Department on maritime security for ASEAN Regional Forum meetings, and drafting and implementing a plan to transform Albania's navy and coast guard for entry into NATO. Dr Weeks holds a PhD in International Studies from American University, has taught at the National War College and US Naval War College, and is a regular military and naval analyst for CBS News, including during the 1991 Gulf War and 2003 Iraq War. He is the author "The Armed Forces of the USA in the Asia-Pacific Region", as well as over two dozen chapters and articles in books and journals.

Dr Andrew S Erickson – Associate Professor, US Naval War College

Dr Erickson is an Associate Professor in the Strategic Research Department at the US Naval War College and a core founding member of the department's China Maritime Studies Institute (CMSI). He is also an Associate in Research at Harvard University's John King Fairbank Center for Chinese Studies, serves as an expert contributor to the *Wall Street Journal's* China Real Time Report, and was a Fellow in the Princeton-Harvard China and the World Program. Dr Erickson has served as a scholar-escort for a Congressional trip to China, worked at the US Embassy in Beijing, the US Consulate in Hong Kong, the US Senate, and the White House. Proficient in Mandarin and Japanese, his research focuses on Asia-Pacific defence, foreign policy, and technology issues, and has been published in publications such as *Asian Security*, the *Journal of Strategic Studies*, and *The American Interest*. Dr Erickson received his PhD and MA in international relations and comparative politics from Princeton University, and has taught at the US Naval War College and Yonsei University.

Rear-Admiral Tom Cunningham, CBE – Royal Navy Assistant Chief of Naval Staff (Aviation and Carriers) and Rear-Admiral Fleet Air Arm

On joining the Royal Navy, Rear-Admiral Cunningham completed tours in Sea King helicopters and with the Royal Air Force in the venerable Canberra bomber. The majority of his flying career, however, has been in the Lynx helicopter. He has served in embarked Lynx flights, including operations in Beirut, as an instructor on the training squadron and as the Executive Officer of the frontline headquarters squadron, and was the Operations Officer for *HMS Brazen* during the 1991 Gulf War and *Illustrious* during flight operations over the former Yugoslavia in 1995. RAdm Cunningham has commanded the destroyer *Gloucester*, the assault ship *Fearless*, the UK Carrier Strike Group and the Indian Ocean counter-terrorism Coalition Task Force 150. Ashore, RAdm Cunningham developed the Future Carrier plan for the 1998 Strategic Defence Review, and has served as Director of the Naval Staff, and as the UK's liaison to the US Chairman of the Joint Chiefs of Staff in Washington. He took up his current appointment in April 2010.

***Major (ret) Nigel Booker – Security Consultant**

Major Booker is a decorated army veteran with over 16 years military experience operating in Kosovo, Bosnia, Cyprus, Sierra Leone, Iraq and Afghanistan and South East Asia. A qualified commando, Nigel has also served in intelligence and special forces roles, retiring from the Army at the rank of Major. Prior to commissioning from the British Royal Military Academy Sandhurst and then training as a Platoon Commander, Maj Booker studied engineering and is a chartered professional member of the UK's Engineering Council.

Admiral Sir Mark Stanhope – Royal Navy First Sea Lord and Chief of Naval Staff

Admiral Stanhope joined the Royal Navy in 1970, and commanded the conventional submarine *HMS Orpheus* and nuclear submarine *Splendid* during the Cold War. His surface ship commands included *London*, the first British warship to visit Northern Russia in a half-century, and the aircraft carrier *Illustrious*. Ashore, Adm Sir Mark Stanhope has worked for the UK Chief of Defence Staff, taught the submarine commanding officers course – better known as "Perisher" for its low success rate – commanded the Submarine Sea Training Organization, served as Deputy Commander-in-Chief Fleet and Commander-in-Chief Fleet for the Royal Navy, and served as the NATO Deputy Supreme Allied Commander Transformation in Norfolk, Virginia. He became the First Sea Lord and Chief of Naval Staff

in July 2009, and is the head of the Royal Navy and is responsible for the fighting effectiveness, efficiency, and moral of the naval service.

Ms Jessica Ear – Associate Professor, Asia-Pacific Center for Security Studies

Ms Ear has served in multiple overseas posts in the US State Department, including work at the US Consulates in Sydney, Australia, and Chengdu, China, as well as Regional Deputy Refugee Coordinator at the US Embassy in Bangkok, Thailand, where she helped shape US policy on refugees and humanitarian assistance. In the private sector, she has worked as the Assistant CEO and Business Development Manager at the Australian Commercial Disputes Centre, and was a legal consultant for the Sichuan American Chamber of Commerce. Prior to joining the Asia-Pacific Center for Security Studies in November 2008, Ms Ear was the Humanitarian Operations Advisor for the Center for Excellence in Disaster Management in Humanitarian Affairs in Honolulu, Hawaii. Ms Ear holds a Juris Doctorate with a focus on Pacific Asian legal studies from the University of Hawaii, and has been teaching human security, disaster management and humanitarian assistance, and the rule of law at APCSS since November 2008.

Dr Peter Chalk – Senior Policy Analyst, RAND Corporation

Dr Chalk is a Senior Policy Analyst with the RAND Corporation, Santa Monica, California. He has worked on a range of projects examining transnational security threats in the Asia-Pacific, Latin America, North America and sub-Saharan Africa. He is an internationally recognized expert in the field of terrorism, maritime crime and low-intensity conflict and is author of numerous books, book chapters and journal articles on these subjects. Dr Chalk is Associate Editor of *Studies in Conflict Terrorism*, one of the foremost journals in the international security field, and serves as an Adjunct Professor with the Naval Postgraduate School in Monterey, California and the Asia-Pacific Center for Security Studies in Honolulu, Hawaii. He is also a visiting scholar with the Combating Terrorism Center at the US Military Academy, West Point, and a specialist correspondent for *Jane's Intelligence Review* and *Oxford Analytica* in London, UK. He has also testified on several occasions before the US Congress and is a regular commentator on mainstream media outlets in the US, Australia, Canada and Europe.

Dr Andreas Schloenhardt – Director of International Relations, University of Queensland

Dr Schloenhardt is Professor of Criminal Law and the Director of International Relations at The University of Queensland TC Beirne School of Law in Brisbane, Australia. He holds a PhD in Law from the University of Adelaide. His principal areas of research include criminal law, organized crime, and immigration and refugee law. He is the author of many books and journal articles, with his work cited by notable institutions such as the High Court of Australia. He is a regular consultant to the UN Office on Drugs and Crime (UNODC) and has worked extensively in research and teaching capacities with the Australian Federal Police (AFP) and other law enforcement agencies. Dr Schloenhardt has also taught at the National University of Singapore, the University of British Columbia, and the Monterey Institute of International Studies, and is a frequent commentator on national television, radio, and in newspapers.

Vice-Admiral Hernando Wills Velez – Chief of Naval Operations, Colombian Navy

Vice-Admiral Wills has served aboard several ships, including as Gunnery Officer on *ARC Santander*, Anti-Submarine Warfare Officer and Navigator on the Training Tall Ship *Gloria*, Operations Officer on *USS Bowen*, and Weapons Officer on *Independiente*. His command roles have included both Executive and Commanding Officer of the missile frigate *Almirante Padilla*. Ashore, VAdm Wills has worked as the aide-de-camp to the Colombian president, Dean of Naval Sciences at the Naval Academy, Commander of the Colombian Coast Guard, and Commander Naval Forces Pacific. He holds degrees from the US Naval Postgraduate School, the Superior War College of Colombia, and the US National Defense University, and has been decorated for distinguished service in operations against narco-terrorist groups on the Pacific Coast.

Dr Justin D Nankivell – Associate Professor, Asia-Pacific Center for Security Studies

Dr Nankivell came to the Asia-Pacific Center for Security Studies in July 2008 from the University of Victoria, Canada, where he lectured on international organizations and international security, as well as on international relations, Canadian foreign policy, and civil-military relations at the University of Vancouver Island and Royal Military College. He is the Course Manager for APCSS' Advanced Security Cooperation course, a six-week program on non-warfighting Asia-Pacific security issues, with an emphasis on cooperation. Dr Nankivell's Masters of International Law comes from the University of Nottingham, with a specific focus on international criminal justice/criminal law and the laws of armed conflict, and his PhD in political science comes from the University of British Columbia. He is researching the relationship between international law and international politics, and is currently working on a book on international law, foreign policy, and Canada-US relations in the Arctic.

Dr Martin Murphy – Senior Fellow, Atlantic Council

Dr Murphy is an internationally recognized expert on maritime piracy and unconventional conflict at sea, with his work on piracy, the US Navy's Littoral Combat Ship, and maritime domain awareness featured in journals such as the *Journal of Conflict and Terrorism*, the *RUSI Journal*, and the London-based International Institute Security Studies' *Adelphi Papers*. His notable books in recent years include *Somalia, the New Barbary? Piracy and Islam in the Horn of Africa* in 2011, and *Small Boats, Weak States, Dirty Money: Piracy and Maritime Terrorism in the Modern World* in 2009, and he is currently writing *Piracy, Terrorism and Unconventional Warfare at Sea* for publication in 2013. Dr Murphy holds Masters and Doctoral degrees in strategic studies from the University of Reading, and teaches on piracy, trade and war at Georgetown University.

Mr Paul Gugg – Company Security Officer, Chevron Shipping Company

Before joining Chevron Shipping in 2010, Captain Gugg had a 27-year career with the US Coast Guard (USCG), during which he worked in port operations, commercial vessel inspection, and casualty investigation. Mr Gugg captained the ports of Buffalo and San Francisco, acted as USCG liaison to the Military Sealift Command, and was Commanding Officer of the Gulf Strike Team, a specialized oil & hazardous material response unit in Mobile, Alabama. Now Chevron's Company Security Officer, Mr Gugg manages the "hardening" of Chevron vessels worldwide, crew anti-piracy training, and the security vetting of third-party ships carrying Chevron cargo. He earned a Masters degree from the University of Michigan and a Bachelors from Syracuse.

Captain (ret) Phillip J Heyl – Chief of the Air & Maritime Branch, Strategy, Plans & Programs Directorate, US Africa Command

Captain Heyl is a 32-year veteran of the United States Coast Guard (USCG), where his commands included a directorship on the White House National Security Council, Commandant of Cadets at the USCG Academy, and Commander of Sector Key West. He has extensive experience training and working in Latin America, the Caribbean, and Africa, and over the past two decades has coordinated the standup of seven coast guards in Africa and Latin America, including those of Costa Rica and Sierra Leone. Before moving to his current role at US Africa Command, where he is responsible for strategic development, oversight, and execution of air and maritime security programs in Africa, Captain Heyl served as Senior Department of Homeland Security representative during the standup of US Africa Command, and as Director of Staff, Operations and Logistics (J3/J4) of Command. Captain Heyl holds an MPA in International Policymaking from George Washington University, an MA with distinction in National Security & Strategic Studies from the US Naval Staff College, and a BSc with honors in Government from the USCG Academy.

Dr Antonios Tsourdos – Autonomous Systems Group, Cranfield University

Appointed head of the Autonomous Systems Group in 2007, Dr Tsourdos was a member of Team Stellar, the winning team for the UK Ministry of Defence's Grand Challenge (2008) and the IET Innovation Award (Category Team, 2009). Dr Tsourdos is also a member of several unmanned and technical systems committees, including the International Federation of Automatic Control (IFAC) Technical Committees on

Aerospace Control and Intelligent Autonomous Vehicles, and the American Institute of Aeronautics & Astronautics (AIAA) Technical Committees on Guidance, Control & Navigation, and Unmanned Systems. He is an editorial board member of several journals, including the *Journal of Aerospace Engineering* and the *International Journal of Systems Science*. Dr Tsourdos received his PhD on Non-linear Robust Missile Autopilot Design & Analysis from Cranfield University, and holds an MSc from Cardiff University and a BEng from the University of Sheffield.

Vice-Admiral (ret) Kevin J Cosgriff, Senior Vice President, Textron Systems

Vice-Admiral Cosgriff's naval career included command of the frigate *USS Robert G Bradle*, Destroyer Squadron 32, and the *Theodore Roosevelt* Battle Group. His shore posts included Executive Assistant to the Under Secretary of the Navy, Director of the White House Situation Room in the Clinton administration, and Deputy Commander of US Fleet Forces Command. Before retiring from the navy, VAdm Cosgriff was Commander of Naval Forces Central Command, where he oversaw all naval activities in the Middle East and Southwest Asia, including liaising with regional officials and leaders to ensure maritime security. Currently, VAdm Cosgriff is the Senior Vice President for International Business & Government and a member of the Textron Systems Executive Leadership Team. He holds a MSc in Strategic Intelligence from the National Defense Intelligence College, where he now serves on the Board of Visitors.

Dr Mae L Seto – Senior Defence Scientist, Defence Research & Development Canada

Dr Seto received her BSc degree in Engineering Physics (Electrical) and her PhD in Mechanical Engineering from the University of British Columbia, after which she worked as an Industrial Postdoctoral Fellow at International Submarine Engineering Research doing research with autonomous underwater vehicles and unmanned surface vehicles. Dr Seto is currently a Senior Defence Scientist at Defence Research & Development Canada as well as an Adjunct Professor of Mechanical Engineering and Computer Science at Dalhousie University. She is also an Adjunct Professor at the University of New Brunswick, a Senior Member of the Institute of Electrical & Electronics Engineers, and an Associate Editor of the *Journal of Oceanic Engineering*. Her research interests include autonomy for marine vehicles and systems, underwater vehicle and tow body dynamics, multi-agent systems, and underwater acoustics.

Dr Daniel Pauly - Professor, Fisheries & Zoology Dept, University of British Columbia

Dr Pauly earned his PhD in Fisheries Biology from the University of Kiel, and subsequently worked for many years at the International Center for Living Aquatic Resources Management in Manila, Philippines. In 1994, Dr Pauly became a Professor at the Fisheries Centre at the University of British Columbia, and served as its director from 2003-08. Since 1999, he has also been the Principal Investigator for the *Sea Around Us* project, funded by the Pew Charitable Trusts, which studies, documents and promotes policies that mitigate the impact of fisheries on global marine ecosystems. Dr Pauly is the co-developer of fisheries models and software used worldwide, and has been profiled along with his colleague William Cheung in multiple journals of note, including *Science*, *Nature*, *The New York Times*, and is the recipient of numerous international awards for his work.

Rear-Admiral (ret) Roger Girouard - Associate Faculty, School of Peace & Conflict Management, Royal Roads University

Rear-Admiral Girouard began his naval service at *HMCS Carleton* in Ottawa as an Ordinary Seaman Bos'n. Throughout his 35-year naval career, he held a number of leadership positions, including Commanding Officer of *HMC Ships Chaleur*, *Miramichi* and *Iroquois*, Commander Maritime Operations Group Four, Commander Canadian Fleet Pacific. RAdm Girouard's international deployments include Chief of Operations for the Swissair 111 recovery operation off Canada's east coast in 1998, command of Canada's joint force contribution to Operation Toucan in Timor L'Este in 1999-2000, and command of Combined Task Force 151 in 2003. His last appointment was Commander Joint Task Force Pacific and Maritime Force Pacific in Victoria, where he was responsible for regional search-and-rescue, contingency work for potential flooding of the BC lower mainland in Spring 2007, and supporting planning for the

Vancouver 2010 Winter Olympics. Experienced in offshore operations, joint and interagency missions, disaster management as well as the realm of HR management, he retired from the Canadian Forces in September 2007 and turned to teaching on human security and peacebuilding.

Rear-Admiral (retired) Ian Mack, Director General Major Project Delivery (Land & Sea), Canada Department of National Defence

Rear-Admiral Mack retired from the Canadian Forces. During his naval career, he held several leadership posts, including Head of Navy Training, command of Canada's largest base in Halifax, Assistant to the Commander of the Navy, Defence Attaché to the United States, and first Head of Canadian Delegation to the Inter-American Defense Board. In terms of materiel management and procurement, RAdm Mack served in equipment lifecycle materiel management, in quality assurance work for a in a civilian shipyard, on acquisition of a marine propulsion gas turbine, and providing propulsion systems advice during warship acquisition and mid-life modernization projects. He served for two years as the Chief of Staff of the Materiel Group before retiring. In his current role, he oversees project managers charged with weapon systems acquisitions for the Canadian Army and Royal Canadian Navy.

Rear-Admiral (retired) Brad Hicks – Vice President of Business Development, Integrated Warfare Systems & Sensors, Lockheed Martin

Rear-Admiral Hicks' naval career included tours as Operations Officer in *USS Caron* and *Kidd*, and later as Executive Officer of *Caron*, while his commands included the *Spruance*-class destroyer *Hayler* and the *Ticonderoga*-class cruiser *Cape St George*. Ashore, RAdm Hicks served as aide to the Navy Inspector-General, Flag Secretary to the Commander Second Fleet, and Commander of the *Eisenhower* Battle Group. His last active duty position was the Program Director of the Aegis Ballistic Missile Defense project at the Missile Defense Agency. Since hanging up his uniform in 2009, RAdm Hicks consulted for the Monitor Group, and was Vice President for the Naval Surface Radar. In his current role at Lockheed Martin, RAdm Hicks is responsible for all integrated warfare systems & sensors programs, including naval combat systems, sea-based missile defence systems, radar and electronic warfare systems for the US military and armed forces worldwide.

Mr Darren Larkins – CEO, ShipConstructor Software

Mr Larkins is the CEO of ShipConstructor Software Inc., where he has over 13 years' experience in the development, marketing, sales and implementation of the company's products. He played a lead role in the US National Shipbuilding Research Program - Second Tier Shipyard Design Enhancement Project, and projects focused on Design for Production. He has also presented award-winning papers at international conferences and given high-level guidance to key accounts regarding the implementation of shipbuilding software technology. Larkins has a BSc. Computer Science from the University of Victoria.

Dr Probal K Ghosh – Senior Fellow, Observer Research Foundation

In addition to 27 years of commissioned service with the Indian Navy, Dr Ghosh has worked at various think tanks. He was a Research Fellow at the Institute for Defence Studies and Analyses from 2000-04, served as the prestigious Prof DS Kothari DRDO Chair at the United Services Institution from 2004-05, and was a Senior Fellow at the Centre for Air Power Studies from 2009-10. Overseas, Dr Ghosh was a Guest Professor at Stockholm University in 2005, and has lectured at the Stockholm International Peace Research Institute, the Naval War College at Karanjia, and the Royal National Defence College at Stockholm. Notably, Dr Ghosh co-chaired two consecutive Council for Security Cooperation in the Asia-Pacific (CSCAP) international study groups, and is currently co-chairman of the CSCAP Study Group on Naval Enhancement.

Rear-Admiral Emmanuel Ogbeche Ogbor, DSS, PSC+, NDC – Nigerian Navy

After graduating from the Nigerian Defence Academy and receiving his commission in 1983, Rear-Admiral Ogbor sailed in various ships, including First Lieutenant of *NNS Makurdi*, Executive Officer of *Siri*

and *Okemini* (now *Pathfinder*), and Commanding Officer of *Ayam*. His shore postings include Port Security Officer of Tincan Island Port Lagos, Commanding Officer of the Instructor Signal School *NNS Quora*, and Commanding Officer of *Anansa* Naval Base Calabar. From 2006-09, RAdm Ogbor was the Nigerian Defence Advisor to South Africa, after which he served as Chief Staff Officer of Nigeria's Western Naval Command, was promoted to Flag Officer of the same, and is currently Chief of Training & Operations at the Naval Headquarters. His education includes Sub Technical Course at Britannia Royal Naval College, the Junior and Senior Staff courses at Command & Staff College Jaji, and the Officers' Long Course, specializing in communications, at *Quorra*.

Major-General (USAF ret'd) Kevin Kennedy - Vice President, Strategic Development and Assessment, Textron Systems Corporation

A 1978 graduate of the US Air Force Academy, Major-General Kennedy accumulated over 3,600 flight hours during his active air service, including 145 combat operations hours. His postings included leading air wings in air warfare over Iraq and Afghanistan, assembling and executing global air operations requirements and plans at the Air Force Headquarters "Checkmate" division and the US Joint Forces Command, serving as Deputy Director of US Air Force Intelligence, Surveillance and Reconnaissance, and Director of Joint Strategic Planning as US Strategic Command. Furthermore, MGen Kennedy commanded the US Air Force Global Cyberspace Integration Center, where he drew up plans for the standup of the US Air Force's Cyber Command. Before retiring, he served a year-long tour as the Senior In-Country Air Force Strategist and Advisor to the Command of US Forces in Afghanistan. Currently, MGen Kennedy is Vice President for Strategic Development and Assessment at Textron Systems, and works to provide unmanned aerial and marine systems, precision smart weapons, intelligence software systems, and other solutions for Textron's customers worldwide.

Rear-Admiral (USN ret'd) John Kelly, Director II, CVN-78 Programs, Raytheon

During his 33-year-long US Navy career, RAdm Kelly had several sea commands, including *USS John Paul Jones*, *Gettysburg*, the *Abraham Lincoln* battle group, and Carrier Task Force 50, the three-carrier task force that conducted major combat strike operations for Operation Iraqi Freedom. Ashore, his assignments included staff positions in the Current Operations Directorate of the Joint Staff, Deputy Director for Surface Warfare, and Commander Navy Warfare Development Command. RAdm retired from the US Navy in 2006 and joined Raytheon to direct their Seapower Capability Systems, Undersea Systems, and Future Naval Capability Integration programs. He currently works as the Director II for CVN-78 programs, coordinating all of Raytheon's CVN-78 efforts. RAdm Kelly holds a BSc in Ocean Engineering from the US Naval Academy, and a MSc in Weapons Systems Technology from the US Naval Postgraduate School.

Colin Smith, Chief Customs Officer, Intelligence Counter Terrorism, New Zealand Customs Service

Mr Smith's 30 years in the New Zealand Customs Service (NZCS) have given him a broad range of operational customs experience, with an emphasis on law enforcement aspects. Since its inception in 2002, he has led the NZCS Counter Terrorist Intelligence Team, and has developed the doctrine and Standard Operating Procedures with regard to counter-terrorism, counter-proliferation, and other related security issues. Mr Smith has also helped establish a multi-agency intelligence group to address the factors involved in the seaborne transportation of illegal migrants. He is currently working on a project to implement counter-Improvised Explosive Device measures into the NZCS' good clearance systems. Mr Smith holds certification in Intelligence Analysis, Border Management, and Counter Terrorism, and is an alumnus of the Asia-Pacific Center for Security Studies' 2010 Comprehensive Security Response to Terrorism course.

Lieutenant-Commander Timothy Doherty, Canadian Fleet Pacific, Royal Canadian Navy

LCdr Doherty enrolled in the Naval Reserve in 1974, received his Bridge Watchkeeping certificate in 1976, and subsequently served as Deck Officer, Navigation Officer, and Executive Officer of several

minor warships through the 1980s. LCdr Doherty has focused upon port security while ashore, with his key project being the establishment and command of CFB Esquimalt's Port Security Section following 9/11. More recently, he has served as Executive and Commanding Officer of *HMCS Brandon*, and currently works as the Coastal Warfare Officer and Canadian Fleet Pacific, where he manages west coast mine operations and the schedule for the minor warship fleet. In his civilian life, LCdr Doherty completed his Merchant Masters Certificate, a Nautical Surveyor's Diploma, and is a qualified Port & Facilities Security Officer.

Rear-Admiral Bill Truelove, OMM, CD – Commander Maritime Forces Pacific, Royal Canadian Navy

RAdm Truelove enrolled in the Canadian Forces in 1981, and after a 4-year degree at Royal Roads Military College, he began his naval career in *Her Majesty's Ships Chaleur, Fundy, Saskatchewan, and Qu'appelle*. His at-sea responsibilities increased in 1992, when he served as *Iroquois's* Combat Officer, which included a 7-month deployment to the Adriatic Sea in support of the UN embargo on the former Yugoslavia. In 1998, RAdm Truelove was appointed Executive Officer of *Preserver*, and served as Commanding Officer of *Regina*, during which time he deployed for five months to the Arabian Gulf in support of Operation Apollo. Ashore, RAdm Truelove's notable postings include Commander of Maritime Operations Group Four at CFB Esquimalt, Special Assistant to the Vice-Chief of the Defence Staff, Special Advisor to the Chief of the Defence Staff, and a 9-month deployment to Kabul, Afghanistan, as Deputy of the Strategic Communications Directorate. RAdm Truelove was promoted to his current rank in May 2012, and assumed command of Maritime Forces Pacific in June 2012.

Commander Osvaldo Pecanha Caninas, Brazilian Naval War College

Cdr Caninas entered the Brazilian Naval Academy in 1984 and was commissioned as a Midshipman in 1990. In his more than 12 years of sea experience, Cdr Caninas has served as a Surface Warfare Officer in the *Niteroi*-class frigate *Defensora* and the Type 22 frigate *Bosisio*, and as the Commanding Officer of the first-in-class *Aratu* minesweeper. Ashore, he has served as Chief of Staff for the UN Interim Force in Lebanon, Maritime Task Force, and is currently instructing on strategy at the Brazilian Naval War College. Cdr Caninas holds a MA in Strategic Studies, and has a professional degree in electronic engineering.