

Speaking of Engineering...

Have you ever wondered...



Lieutenant (Navy) Neville Lockyer

How the Canadian military uses ROV's for underwater exploration/recovery?

**Lieutenant (Navy) Neville Lockyer, CD
Mine Warfare Officer, Fleet Dive Unit (Atlantic)**

Lieutenant (Navy) Neville Lockyer, Mine Warfare Officer, Fleet Dive Unit, Department of National Defence, will be in St. John's to talk about the Canadian military's use of remotely operated vehicles (ROVs).

Lieutenant (Navy) Neville Lockyer will speak about the ROVs employed by the Canadian Navy and Canadian Clearance Divers. He will talk specifically about the underwater autonomous vehicles employed during naval operations and the Explosive Ordnance Disposal (EOD) robot utilized by the Canadian Forces in locations such as Afghanistan.

ROVs play a key role in the conduct of Naval Mine Warfare (NMW). As well, they are indispensable for use with EOD and Improvised Explosive Device Disposal (IEDD) on both domestic and international operations.

In explaining the various roles of the Navy's ROVs, Lieutenant Lockyer will talk to a variety of missions and operations, including the Task Force Afghanistan EOD/IEDD operations; the humanitarian relief effort during Hurricane Katrina (2005); and the recovery of Swiss Air 111 from Peggy's Cove Nova Scotia (1998).

Born in St. John's, Lieutenant (Navy) Lockyer attended Memorial University, graduating in 1993 with a bachelorette degree in science (biochemistry). He joined the Canadian Forces (CF) as a Reservist in January 1994 and served on the HER MAJESTY'S CANADIAN SHIP (HMCS) WHITEHORSE, HMCS NANAIMO and HMCS SHAWINIGAN.

In 2004, Lt(N) Lockyer completed training to become a Ship's Team Diver. This motivated him to join the Regular Force and in January 2006 he joined HMCS ST. JOHN'S.

In 2008, Lt(N) Lockyer took the Clearance Diving Officer Course and was posted to the Fleet Dive Unit (Atlantic) [FDU(A)] in Halifax. In 2009, he completed advanced explosives training at Elgin Air Force Base in Florida, and became FDU(A)'s Mine Warfare Officer.

In January 2010 Lt(N) Lockyer was the Officer in Charge of FDU(A)'s dive team during OPERATION PODIUM, the CF's support to the Vancouver Winter Olympics. In July 2010 he commanded FDU(A)'s dive tender, to support Her Majesty Queen Elizabeth's visit to Halifax as part of the Naval Centennial and the International Fleet Review.

Speaking of Engineering is hosted by the Faculty of Engineering and Applied Science at Memorial University and the Professional Engineers and Geoscientists of Newfoundland and Labrador.

**Wednesday, Nov. 3, 2010, 7:30 p.m.
Memorial University, St. John's Campus
S.J. Carew Building; Room EN 2006**

Reception to follow
Admission is free. All are welcome.
Parking is available in Lot 16

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