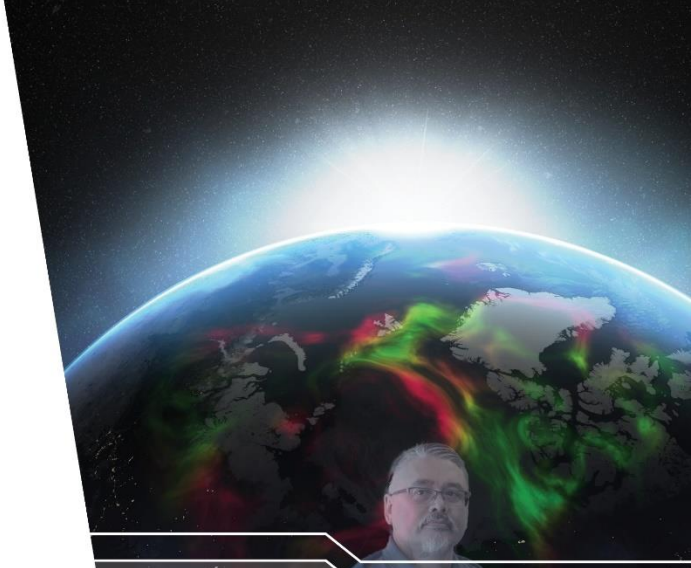


BIOGRAPHIES

ACCUSARS II

Advancing Collaboration in Canada-U.S. Arctic Regional Security II

A Strategic Foresight Exercise for the U.S. and Western Canadian Arctic Regions

Workshop Hosted By:

A Virtual Workshop

University of Alaska
25-26 March 2021

As/of 24 March 2022

Final Edition

ACCUSARS II Moderator & Speaker Biographies

The following are the moderators and speaker biographies for the Advancing Collaboration in Canada-U.S. Regional Security (ACCUSARS) II Workshop planned for 25 & 26 March 2021 as a virtual workshop. The Arctic Domain Awareness Center at the University of Alaska and the North American & Arctic Defense and Security Network at Trent University, Peterborough Ontario are delighted and honored to welcome the following leaders to moderate/facilitate and present at this regionally oriented workshop in developing a Strategic Foresight Assessment for the North American Arctic.

MAJ. GEN. PETER B. ANDRYSIAK

Commander, United States Army Alaska, and Deputy Commander, Alaska Command Joint Base Elmendorf-Richardson

Major General Peter B. Andrysiak is the Commander United States Army Alaska and Deputy Commanding General Alaskan Command. He is a graduate of the United States Military Academy at West Point, and is a Registered Professional Engineer in the state of Maryland.

In his nearly three decades of service, Major General Andrysiak has served in numerous command and staff positions, including as the Chief of Staff, U.S. Army Pacific; Deputy Commanding General – Operations, 25tht Infantry Division; Commanding General, Pacific Ocean Division, USACE; Chief of Staff, 3rd Infantry Division, Fort Stewart, Georgia; USFOR-A JTF-3; Commander, 2nd Engineer Brigade, Joint Base Elmendorf-Richardson, Alaska; Executive Officer to the Chief of Engineers/Commanding General, Washington D.C.; Commander, 20th Engineer Battalion (Combat Effects), Fort Hood, Texas; Deputy Commanding Officer, 1st Brigade Combat Team, previously Executive Officer, 1st Special Troops Battalion, and Operations Officer, 20th Engineer Battalion, all at 1st Cavalry Division, Fort Hood, Texas; Deputy District Engineer/Program Manager, Baltimore District, North Atlantic Division; Commander, A Company, 11th Engineer Battalion (MECH), Fort Stewart, Georgia; Brigade Engineer, Headquarters, United States Army Southern European Task Force Infantry Brigade, Vicenza, Italy; and Platoon Leader, Combat Support Company, 3rdBattalion, 325th Infantry Regiment (Airborne Battalion Combat Team), Vicenza, Italy.

His previous operational assignments include Operation Support Hope, Rwanda ’94; Operation Desert Thunder, Kuwait ’98; two tours in support of Operation Iraqi Freedom, Iraq ’04 to ’05 and ’06 to ’07; two tours in

support of Operation Enduring Freedom, Afghanistan ’10 to ’11 and ’14; and Operation Freedom’s Sentinel, Afghanistan ’15.

DR. LILIAN “DOC” ALESSA

President’s Professor, University of Idaho

Dr Lilian “Doc” Alessa is a President’s Professor at the University of Idaho and has served as a Defense Intelligence Senior Level (DISL) Advisor for Advanced Data and Analysis, through an Intergovernmental Personnel Act (IPA), with the Department of Defense. Additionally, she served as Deputy Chief of Global Strategies with the Department of Homeland Security, Office of Strategy, Policy and Plans. She has over 25 years of experience working with Academic, Federal, State, Local, Tribal and Territorial (FSLTT) partners focused on providing data-intensive decision support tools to improve defense, security and resilience of systems, people and communities. She has led several multi-million dollar data integration/data fusion programs working closely with Federal agencies, Academia and the public and brings a rare approach of ensuring technologies are used as tools within the construct of social and cultural systems. She has pioneered unique advanced coupled technology-enhanced monitoring capabilities that incorporate humans as sensors in the land, air and maritime domains. An internationally recognized Arctic expert, she sits on several national committees and has led the development of two joint Canada-United States Arctic resilience toolbox assessments: the Arctic Water Resources Vulnerability Index (AWRVI) and the Arctic Adaptation Exchange Portal (AAEP). She and her team have developed strategic intelligence frameworks and tools that have been adopted by components and commands within the Department of Homeland Security and Defense. She has led human dynamics components for a range of Department of Defense Emerging Threats and Capabilities Programs and has published six data fusion products focused on critical resources for ensuring security at local and regional scales. She is one of the Co-Founders for the Community of Modeling in Social Ecological Systems (COMSES), hosted out of Arizona State University (comses.org). She holds courtesy appointments with the Center for Social Dynamics and Complexity at Arizona State University as well as the International Arctic Research Center at the University of Alaska Fairbanks. Among her extensive advisory roles, she has been an Advisor for the Director of the National Science Foundation and through the Advisory Council for Environmental Research and Education (AC-ERE) where the need for big data approaches in the context

of building a more resilient America was formalized across the basic sciences.

CHRISTI BELL

Associate Vice Chancellor and Director of the Business Enterprise Institute

Christi Bell, currently the Associate Vice Chancellor and Executive Director of the Business Enterprise Institute (BEI), has served in leadership roles at the University of Alaska Anchorage (UAA) for more than 15 years. BEI encompasses the University's suite of business and economic development programs including the Applied Environmental Research Center which brings new revenues to the University and jobs to Alaska.

Bell serves as a member of the UAA Chancellor's Cabinet, a chair of the UAA 2025 Strategic Plan development, and contributed leadership to the shared services, Facilities & Administration (F&A), Change & Leadership, and Prioritization task forces. Bell has extensive experience with the overall UA budgeting processes and shared governance and has strong working relationships with faculty, staff, and leadership across UAA and the UA's campuses.

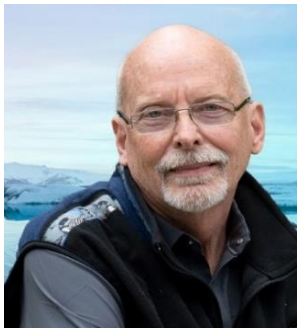
Bell holds a CEcD (Certificate in Economic Development) from the International Economic Development Council as well as a Master of Business Administration and a Master of Science in Resource Management, both from the University of Alaska Fairbanks.

TROY BOUFFARD, MSG (RET.) U.S. ARMY

University of Alaska Fairbanks School of Management

Troy J. Bouffard, MSG (Ret.) U.S. Army, has a BA in Political Science, and MA in Arctic Policy. He is currently working on a PhD with a focus on Russian Arctic Defense strategy and international law. He is the director of the UAF Center for Arctic Security and Resilience (CASR). As a defense contractor, he is co-PI of the DOD Arctic Defense and Security Orientation program with USNORTHCOM and ALCOM started seven years ago. Within the UAF Homeland Security and Emergency Management program, Mr. Bouffard's portfolio includes development and delivery of an Arctic Security graduate concentration and certificate. Troy is a network coordinator for the North American and Arctic Defence and Security Network (NAADSN) and a non-resident Research Fellow with the Centre for Defence and Security Studies (CDSS) at the University of Manitoba. He has co/authored numerous articles, most recently with the Canadian Global Affairs Institute, Vanguard magazine, and the Canadian Naval Review. Among his other academic activities, he recently served as a contracted supervisor and

chief editor for a NATO Arctic research project. Other activities include delegate experience with the Arctic Council, panel and conference presentations, and conduct of many inter/national Arctic events.



DR. DOUGLAS CAUSEY

Arctic Domain Awareness Center (ADAC) Principle Investigator; University of Alaska Anchorage

Douglas Causey is Professor of Biological Sciences and Principal Investigator of the Department of Homeland Security Arctic Domain Awareness Center of Excellence. He also serves as Senior Advisor on Arctic Policy to the Chancellor at the University of Alaska Anchorage. He arrived to UAA in June 2005 from Harvard University where he was Senior Fellow of the Kennedy School of Government and Senior Biologist at the Museum of Comparative Zoology. From 1995 - 2000, Doug represented the National Science Foundation at organizational meetings leading to the formation of the Arctic Council and was NSF's Arctic Representative during the Gore-Chernomyrdin negotiations on US-Russian Science Policy. His research focuses on the environmental correlates of Arctic climate change, and he and his students are actively conducting research in the Aleutian Islands, the northern Bering Sea, and Northwestern Greenland. His Greenlandic research efforts are funded by the National Science Foundation and are components of the Piniariarneq and Pikialasorsuaq initiatives. He has published extensively on policy issues related to the Arctic environment, Arctic environmental security, and bioterrorism and public health. He and Maj Gen (ret.) Randy Kee jointly offer the policy course "Arctic Environmental Security" through the University of Alaska and the UArctic, with enrollment by students throughout the Arctic region.

DAVID CLARKE

President and COO, Qilak LNG

David Clarke is President and COO of Qilak LNG. He has extensive project management and operations experience in the energy industry. Qilak LNG North American subsidiary of Dubai based Lloyds Energy to develop Near Shore LNG projects in the North American Arctic. Qilak is currently evaluating the viability of near-shore LNG projects at 3 locations in the US and Canadian Arctic, with liquefaction capacities of 4 to 8 MTPA. LNG export will be year-round through Arctic waters and via the Bering Strait direct to Asia markets using ice-breaking LNG carriers. This development concept eliminates the need to build an expensive long-distance pipeline to ice free waters and thereby significantly reduces the cost of developing an LNG project in Arctic waters. He previously served as Project Management Consultant with Project Management Solutions and as Appraisal General

Manager with BP Alaska. He holds a Diploma in Project Leadership and Business Management from the Massachusetts Institute of technology and a Master of Business Administration from Edinburgh Business School.

COMMANDER AARON DELANO-JOHNSON, USCG

Director, HQ USCG Emerging Policy Division (Evergreen)

Commander Aaron Delano-Johnson is the US Coast Guard International Security Studies Program (ISSP) Fellow at the Fletcher School of Law and Diplomacy at Tufts University.

Prior to the Fletcher School, he served as the US Coast Guard Liaison Officer (CGLO) and Department of Homeland Security (DHS) Assistant Attaché to the Republic of Haiti at US Embassy Port-au-Prince, Haiti.

He has held a variety of Embassy and sea-going command positions throughout his career, including eight years at sea on four Coast Guard cutters. Most recently completing a tour of duty as the Executive Officer of USCGC STEADFAST (WMEC 623), a medium endurance cutter, based in Astoria, Oregon that conducts maritime law enforcement patrols from the Pacific Northwest to South America under the US Coast Guard's Western Hemisphere Strategy.

A permanent Cutterman, his additional shipboard operational assignments include Deck Watch Officer and Assistant Operations Officer aboard USCGC BEAR (WMEC 901), Executive Officer of USCGC SITKINAK (WPB 1329) and Commanding Officer of USCGC CHANDELEUR (WPB 1319), in support of Counter-Drug and Alien Migrant Interdiction Operations (CD/AMIO), search and rescue (SAR) and security cooperation across the Caribbean and South America.

Previous Embassy postings include service as a training advisor under the Georgian Border Security and Law Enforcement (GBSLE) Assistance Program at U.S. Embassy Tbilisi, Georgia, Deputy Chief of the Joint Interagency Task Force-South (JIATFS) Tactical Analysis Team (TAT), Cartagena, Colombia, US Coast Guard Liaison Officer to the Dominican Republic and SOUTHCOM Humanitarian Assistance Program manager at US Embassy Santo Domingo, Dominican Republic.

A native of Brownsmead, Oregon, Commander Delano-Johnson graduated from the US Coast Guard Academy with a Bachelor of Science in Management. He holds a Master of Arts in International Relations from the Fletcher School of Law and Diplomacy at Tufts University, a Master of Science in Leadership and Information Technology from Duquesne

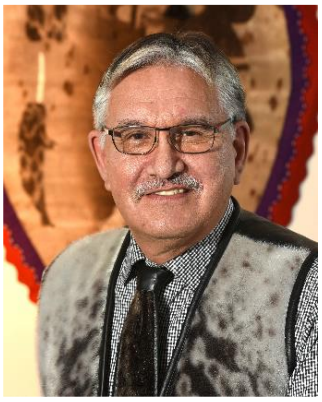
University and completed his Joint Professional Military Education via the US Air Force Command and Staff College.

DR. HEATHER EXNER-PIROT

Associate Professor of Political Science, University of Calgary

Dr. Heather Exner-Pirot is a Senior Consultant with Morris Interactive. As Senior Consultant she supports First Nations, Métis and other community organizations with governance, economic development and strategy needs. She is a board member of the Canadian Rural Revitalization Foundation and the Saskatchewan Indigenous Economic Development Network. Dr. Exner-Pirot founded the Arctic Yearbook with Lassi Heininen and Joel Plouffe in 2012 and continues to serve as Managing Editor.

Dr. Exner-Pirot received her PhD at the University of Calgary and focused on Arctic human security and regionalization. She then moved back to the University of Saskatchewan for various positions involving distributed education in northern areas. Her research interests have expanded to include rural, Indigenous and northern development, including innovation, education, health and economic policy, and international relations in the Arctic. Dr. Exner-Pirot lives in Saskatoon, Saskatchewan with her husband and two kids.



HARRY FLAHERTY

President & CEO, Qikiqtaaluk Corporation, Iqaluit, Nunavut

Harry Flaherty is President and CEO of Qikiqtaaluk Corporation and Group of Companies, the largest Inuit-owned private employer in Nunavut. Mr. Flaherty is recognized as a prominent Inuit business leader advancing economic and career opportunities for Inuit and leading Qikiqtaaluk Corporation as the Region's economic driver.

Flaherty's career with Qikiqtaaluk Corporation began in 1997 as Director of major projects. In 2009, Harry was appointed President and CEO of Qikiqtaaluk Corporation. In the ten years since his appointment, he has focused on restructuring the corporation to better reflect its business objectives and has positioned the corporation to be at the forefront of Nunavut's emerging economy.

Under Harry's direction, the Corporation has increased its service diversification through new subsidiaries, joint-ventures and partnerships which has advanced QC as a prominent and reliable leader and partner in industrial, institutional and infrastructure development.

Harry has received a number of awards and accolades throughout his career celebrating the advancements he has made for Nunavut and Nunavut Inuit. Most recently, Harry was awarded the Canadian Council of

Aboriginal Business Hall of Fame Lifetime Achievement Award, being the First Indigenous Inuit to receive this award in its 20-year history. The CEO Today magazine identified Harry Flaherty as one of the best among the world's CEOs and he was selected as one of six CEOs in Canada to receive this prestigious award.

CAPTAIN(N) J.F. FRENCH, MSM, CD

Deputy Commander Joint Task Force North, Yellowknife, NT

Captain(N) Jacob French joined the Canadian Forces in 1994 in Saint John, NB as a Maritime Surface/SubSurface Officer, and attended Dalhousie University (BSc Earth Sciences Honours) under the Regular Officer Training Plan. Commissioned in 1998, he was a Bridge Watchkeeper onboard HMCS Algonquin and Calgary, including OP AUGMENTATION in 2000 in the Arabian Gulf. He completed a Navigation Officer tour onboard HMCS Vancouver in 2003 and was an instructor at the Naval Officer Training Centre from 2004 – 2006. Upon completion of the Operations Room Officer course, he was posted to HMCS Fredericton from 2007 – 2010, to include two deployments to the Middle East under Operation ALTAIR and Operation SAIPH. He was appointed as Executive Officer HMCS Calgary in 2014, Executive Officer Sea Training Pacific in 2015. His most recent sea posting was as Commanding Officer HMCS Regina in 2018 – 2019, which included an Indo Asia Pacific and Northern Arabian Sea deployment under Operation ARTEMIS and PROJECTION, as Commander of the Maritime Task Force with HMCS REGINA and MV Asterix. This deployment also included a contribution to Operation NEON, support to UNSCR sanctions on North Korea in the East China Sea.

His shore appointments include Executive Assistant to Comd MARLANT (2010 – 2012), Director Navy Strategy – Concepts and Project Director Interim AOR (MV ASTERIX), which included successful sea trials of MV ASTERIX in early 2018.

He holds a Masters of Defence Studies from Australia National University as a graduate of the Australia Command and Staff Course in 2013.
He was promoted to his current rank of Captain (N) in July 2020, and he is currently appointed as Deputy Commander Joint Task Force North in Yellowknife, NT.

Captain (N) French's wife and two daughters love being on the water in canoes and kayaks, camping whenever possible, and avoiding long portages. His favourite hobby is fly fishing.

NAGRUK HARCHAREK

Director of Barrow Operations and VP of Ukpeaġvik Iñupiat Corporation (UIC) Lands

Nagruk Harcharek , an Alaskan Native, and was born and raised in Utqiaġvik, AK. He grew up as a hunter and whaler learning all of the values that have made him who he is today. After graduation from Barrow High School, he attended Honolulu Community College and Embry Riddle Aeronautical University where he attained his Associates in Science and Bachelors of Science and Commercial Pilot Certificates. He worked as a commercial pilot for 3 years in Western, AK before moving back home to work for UIC Science, LLC as a project Manager. He is now the Director of Barrow Operations and VP of UIC Lands. In his spare time he enjoys spending time with his wife, Lisa, flying his own plane, and piloting the family boat to continue his hunting and is passing on that valuable knowledge to his 3 children.

Taylor Drew Holshouser

Director of Business Development, Alaska Ocean Cluster

Taylor Drew Holshouser is the Director of Business Development at the Alaska Ocean Cluster, an Anchorage-based organization that promotes and grows Alaska's sustainable ocean economy. He is also a Research Fellow at the Wilson Center's Polar Institute, where he covers the socioeconomic implications of a warming Arctic and supports the development of the Institute's Arctic Infrastructure Inventory. A lifelong Alaska, he enjoys fly fishing and hiking in his spare time.

DR. ROB HUEBERT

Associate Professor of Political Science, University of Calgary

Dr. Rob Huebert (Associate Professor of Political Science, University of Calgary), a leading Canadian commentator on Arctic security and defense issues in media, academic, and policy circles, will continue to monitor and analyze Arctic defense and international security trends, with a particular focus on strategic policy and military capabilities and how developments impact on Canadian Arctic security. His areas of research interests include international relations, strategic studies, the Law of the Sea, maritime affairs, Canadian foreign and defense policy, and circumpolar relations. His books include Canada and the Changing Arctic: Sovereignty, Security and Stewardship (co-authored with Franklyn Griffiths and Lackenbauer, 2011) and (Re)Conceptualizing Arctic Security: Selected Articles from the Journal

of Military and Security Studies (co-edited with Lackenbauer and Ryan Dean, 2017).

SHANNON R. JENKINS

U.S. Coast Guard Senior Arctic Policy Advisor, U.S. Coast Guard

Shannon Jenkins serves as head of the Arctic Policy Office at U.S. Coast Guard Headquarters. His responsibilities include coordinating Arctic cross-directorate actions, harmonizing Coast Guard program office and field efforts, leading Arctic policy and strategy development, and tracking Arctic implementation-plan actions and progress. Shannon provides expert assistance on Arctic topics both internal and external to the Coast Guard and advances National interests and dialogue through public, private, and international forums. His mandate is to advance the Coast Guard's Arctic strategy of ensuring safe, secure, and environmentally responsible maritime activity in the region. Prior to his role as Senior Arctic Policy Advisor, Shannon Jenkins served as a Program Manager within the Coast Guard's Research, Development, Test, & Evaluation Program. He managed the Arctic and the Environmental & Waterways research areas. His duties included identifying and prioritizing research needs, coordinating project execution and resource management, and addressing internal and external leadership queries. Shannon was also a member of the matrix team that developed the Coast Guard 2010 High Latitude Mission Analysis Report. Shannon Jenkins has 30+ years of Federal service, most of those with the Coast Guard. He earned a BS degree in Mechanical Engineering from Mississippi State University and a Master's degree in National Resource Strategy from the National Defense University's Eisenhower School.

MAJ. GENERAL. (RET) RANDY "CHURCH" KEE

Commissioner, U.S. Arctic Research Commission and Executive Director, Arctic Domain Awareness Center, a DHS S&T Center of Excellence hosted by the University of Alaska

Maj Gen Randy "Church" Kee, United States Air Force (ret) serves as a U.S. Arctic Research Commissioner. He was appointed to the Commission by President Trump on November 10, 2020. General Kee is also the Executive Director of the Arctic Domain Awareness Center (ADAC) at the University of Alaska, a DHS Science and Technology (S&T) Office of University Programs Center of Excellence in Maritime Research, a position he has held since

January 4, 2016. During his 30-year military career, General Kee led at the Squadron, Group, Wing and Air Ops Center levels. General Kee's staff assignments include U.S. Transportation Command, Headquarters USAF and the U.S. Joint Staff in both Operations plus Strategic Plans and Policy Directorates. He culminated his military service as Director of Strategy, Policy, Planning and Capabilities for U.S. European Command (ECJ5/8) in Stuttgart, Germany. Church is a Global Fellow at the Woodrow Wilson Center Polar Institute, a Network Member of the Canadian hosted North American and Arctic Defense and Security Network at Trent University, Peterborough Ontario, and the U.S. designated lead for a technology working group for the U.S. Navy Office of Naval Research International Cooperative Engagement Program for Polar Research. Church also leads ADAC and associated university efforts in conducting Arctic Senior Leader Summits and Symposiums for Alaska Command, a Sub-Unified Command of U.S. Northern Command headquartered at Joint Base Elmendorf-Richardson Alaska. Finally, he is also the co-chair of the State of Alaska Civilian Armed Services Team (ACAST) an advisory board to the Governor of Alaska on defense and security matters.
His USAF Biography is available at:
www.af.mil/AboutUs/Biographies/Display/tabid/225/Article/108465/major-general-randya-kee.aspx.

DR. PETER KIKKERT

Irving Shipbuilding Chair in Arctic Policy, Brian Mulroney Institute of Government and Assistant Professor in the Public Policy and Governance program, St. Francis Xavier University

Dr. Peter Kikkert is the Irving Shipbuilding Chair in Arctic Policy in the Brian Mulroney Institute of Government and Assistant Professor in the Public Policy and Governance program at St. Francis Xavier University. Kikkert's research focuses on safety, security, sovereignty, and governance issues in the polar regions. He has published on the evolution of international law in the Arctic and Antarctic, the Canadian-American defense relationship in the North, the evolution of Arctic transportation, and histories of rural an d isolated communities. He has also written on the historic and contemporary role of the Canadian Armed Forces in the North and leadership within the Canadian Rangers. His current research program – supported by an Early Career Faculty Grant from the Marine Environmental Observation Prediction and Response Network and a SSHRC Insight Development Grant– explores how to strengthen community-based search and rescue and emergency response capabilities in the Western Arctic.

DR. WHITNEY LACKENBAUER

Professor at Trent University

Prof. Lackenbauer specializes in Arctic governance issues, modern Canadian military and diplomatic history, and Indigenous-state relations. He has made a major impact in the fields of Arctic studies, the history of Canada's North, Indigenous-military relations and Northern public policy. In its millennium issue, Maclean's Magazine cited him as a "Canadian to watch" in the 21st century.

Prof. Lackenbauer is also an award-winning author. He has published a wide range of books, edited books, articles, book chapters, and policy papers on themes related to Canada's Arctic and the country's place in the broader circumpolar world. His books include The Canadian Rangers: A Living History, Canada and the Changing Arctic, and Arctic Front: Defending Canada in the Far North.

In recognition of his longstanding work with the Canadian Rangers, Prof. Lackenbauer has served as the honorary lieutenant colonel for 1st Canadian Ranger Patrol Group, based in Yellowknife and spanning Canada's three northern territories, since 2014. He also sits on various national boards and working groups dedicated to Canadian Arctic affairs including the Arctic Security Working Group and Canadian Arctic Resources Committee.

DR. ADAM LAJEUNESSE

Irving Shipbuilding Chair in Canadian Arctic Marine Security Policy and Assistant Professor at the Brian Mulroney Institute of Government, St. Francis Xavier University

Adam Lajeunesse, PhD, is the Irving Shipbuilding Chair in Canadian Arctic Marine Security Policy and an Assistant Professor at the Brian Mulroney Institute of Government, St. Francis Xavier University. He is the author of Lock, Stock, and Icebergs (2016), a political history of the Northwest Passage, as well as co-author of the 2017 monograph China's Arctic Ambitions and What They Mean for Canada, and co-editor of Canadian Arctic Operations, 1941-2015: Lessons Learned, Lost, and Relearned (2017). Lajeunesse works on questions of Arctic sovereignty and security policy and has written extensively on CAF Arctic operations, maritime security, Canadian-American cooperation in the North, and Canadian Arctic history.

BRIDGET LAROCQUE

Policy Advisor/Researcher, Arctic Athabaskan Council

Bridget Larocque is a Policy Advisory and Research with the Arctic Athabaskan Council. She lives in Yellowknife, NWT. Bridget serves on the Sustainable Development Working Group of the Arctic Council. She previously served as Executive Director of the Fort Norman Métis Community. Bridget holds a Bachelor of Arts in Political Studies from the University of Saskatchewan.

CAPTAIN LEANNE M. LUSK

Commander, Sector Anchorage, U. S. Coast Guard District 17

Captain Leanne Lusk is currently serving as Commander, Sector Anchorage. She is responsible for marine safety, security, and environmental stewardship throughout Western Alaska, geographically the Service's largest and northernmost Sector. She leads more than 600 active duty, civilian, reserve, and auxiliary personnel and exercises operational control of three 110' Patrol Boats, a Small Boat Station, an Aids to Navigation Team, a Sector Field Office, a Marine Safety Unit, and three Marine Safety Detachments.
Previous Operations Ashore assignments include Deputy Sector Commander at Sector Lake Michigan, Response Department Head at Sector Lake Michigan, Command Center Chief at Sector San Francisco, Command Duty Officer at the Coast Guard Pacific Area / Eleventh District Command Center in Alameda, California, and the Assistant Operations Officer at Group San Francisco.

Staff assignments include Deputy Director of the Coast Guard's Sexual Assault Prevention and Response Military Campaign Office in Washington D.C., Program Analyst in the Office of Search and Rescue in Washington D.C., and Deployable Team Leader for the International Training Division in Yorktown, Virginia. She served one tour afloat onboard the Coast Guard Cutter MORGENTHAU in Alameda, California.

Captain Lusk is a native of Boise, Idaho and a 1998 graduate from the Coast Guard Academy, earning a Bachelor of Science degree in Government. In 2013, she was awarded a master's degree in Business Administration from the University of Phoenix. Her personal awards include three Meritorious Service Medals, two Coast Guard Commendation Medals, three Coast Guard Achievement Medals, three Commandant's Letters of Commendation, and the Military Outstanding Volunteer Service Medal. She is authorized to wear the Advanced Boat Forces Operations Insignia.

DR. LIZA MACK

Executive Director, Aleut International Association

Dr. Liza Mack serves as the Executive Director of the Aleut International Association, one of the six Permanent Participants to the Arctic Council. She is Unangax, born and raised in the Aleutians and has over 20 years experience working in and around Native organizations and communities. Dr. Mack received her PhD in Indigenous Studies from the University of Alaska Fairbanks where her research focused on political ecology, natural resource management, knowledge transfer and engagement of Native communities in the regulatory process and how that may or may not affect the Native Cultures of Alaska. She has an A.A. in Liberal Arts from UAS Sitka, a B.A. and M.S. in Anthropology from Idaho State University and has been an adjunct professor at UAF, teaching Native Cultures of Alaska and Intro to Unangam Tunuu.

Liza's work is focused on cultural revitalization and community involvement in the regulatory process. She possesses knowledge of Alaska Native Cultures and is familiar with the local, regional, state, federal and international board processes that take place in Alaska and the Circumpolar North. She values the importance of engaging Native people in these settings.

ELIZABETH "ELLEE" MATTHEWS

Education and Administrative Manager, Arctic Domain Awareness Center

Ellee Matthews is the Education and Administrative Manager at the Arctic Domain Awareness Center (ADAC). At ADAC, Ellee's primarily role is to manage the Center's Education Program, which focuses on workforce development for undergraduate and graduate students seeking science and technology career fields, particularly in the realm of Arctic research. Born and raised in Alaska, Ellee has focused both her professional and academic careers on the Arctic region, with particular emphasis on resilience in Alaska's communities, public health challenges, human-environmental interactions, and disaster response. She received her B.S. in Zoology from Colorado State University, and her MSc. in Environment and Development from the University of Edinburgh.

DR. SHANNON NASH

Network Manager, Arctic Defence and Security Network (NAADSN)

Dr. Shannon Nash is the Postdoctoral Network Manager of the North American and Arctic Defence and Security Network (NAADSN)/Réseau sur la defense et la sécurité nord-américaines et arctiques (RDSNAA). This collaborative network provides timely, relevant, and reliable expert advice on North American and Arctic defence and security topics. In addition to supporting the Network Leads and Network Coordinators, Dr. Nash helps to coordinate the research program; supervise and mentor undergraduate and graduate research assistants; plan and organize conferences and workshops; assist with the compilation and writing of reports, and research products; and facilitates ongoing communication and coordination between NAADSN/RDSNAA members.

Dr. Nash is a post-doctoral research fellow at Trent University with NAADSN/RDSNAA and she has ongoing projects at the University of Waterloo examining education and training in national security and counter-terrorism in Canada and how the 'terrorism' label is informed and applied to a violent attack in Canada. She has recently completed a review of important studies and practical efforts to anticipate and reduce risk factors contributing to lasting traumatization of terrorist victims for a chapter in the forthcoming Handbook of Terrorism Prevention and Preparedness. She received her Ph.D. in History from the University of Toronto with a focus on 20th Century American History, Terrorism, and International Relations. She studies past and present terrorist threats and attacks as well as Canadian, American, and international defence, security and counterterrorism policies. Shannon's doctoral thesis focused on the reality of al Qaeda espionage methodology and how the idea of a sleeper agent was perceived and adapted to fit the terrorist threat posed by al Qaeda from the 1990s onwards. She was a research affiliate with Public Safety Canada for which she produced a report on the foreign fighter threat and valuable international government initiatives.

NEIL O'ROURKE

Assistant Commissioner, Arctic region at Canadian Coast Guard

Neil O'Rourke was appointed Assistant Commissioner, Arctic Region, Canadian Coast Guard in October 2018. As the Assistant Commissioner for the Arctic Region, Neil works to enhance program and service delivery in the North to better meet the needs of those communities.

Neil has a decade of experience working with the Canadian Coast Guard. He previously served as Senior Director, Safe Shipping and Economic

Intelligence and was responsible for the development of national strategies to sustain and transform Coast Guard's marine navigation programs, including: Aids to Navigation, Marine Communications and Traffic Services, Waterways Management, and Icebreaking and Ice Information Services. Neil was also the national lead for Arctic program policy, user fees, the implementation of e-Navigation in Canadian waters, and served as councillor with the International Aids to Navigation and Lighthouse Authority (IALA) on behalf of Canada.

Over the course of his career, Neil has worked closely with Coast Guard operations, technical services, training (Canadian Coast Guard College), other Government of Canada departments, and external stakeholders (i.e. industry, communities, national and international organizations) to identify service requirements, leverage technological and operational innovations, and competently drive decisions for cost-effective, modern and domestically/internationally aligned marine navigation services. He has also led several corporate initiatives including the consolidation of five Coast Guard regions into three, and co-led the Departmental Comprehensive Review.

Before joining Coast Guard, Neil gained significant private sector experience as a former management consultant and executive in the energy sector; specifically, with Petro-Canada Fuels.

Neil holds degrees from two Canadian universities: a Bachelor of Commerce from Carleton University (2002), and a Master of Business Administration—International Business from the University of Ottawa (2003). Originally from Aylmer, Quebec, he currently resides with his family in Yellowknife, NT.

SHAWN PETERS

Assistant Special Agent in Charge, Federal Bureau of Investigation, Anchorage Field Office

Mr. Shawn Peters serves as the Assistant Special Agent in Charge (ASAC) over National Security Programs at the Anchorage Field Office of the Federal Bureau of Investigation (FBI). He received a Bachelor of Science degree from the University of Virginia, a Master of Arts degree from the University of Oklahoma, and a Master of Science degree from University College Dublin. Prior to working for the FBI, Mr. Peters served in the United States Marine Corps from 1995 to 2003 and continued service in the reserves until his retirement in 2015.

Mr. Peters entered on duty as a Special Agent with the FBI in January 2004. He was assigned to the New York Field Office's Joint Terrorism Task Force, where he worked a variety of Counterterrorism programs. In April 2014, Mr. Peters was promoted to Supervisory Special Agent of the squad responsible for extraterritorial terrorism investigations in Western Europe and Canada, as well as the office's legacy Al-Qaeda senior leadership investigations. In August 2017, Mr. Peters reported to US Embassy the Hague, Netherlands as Assistant Legal Attache. Mr. Peters assumed his current role as ASAC over FBI Anchorage's Counterintelligence, Cyber, Counterterrorism, and Intelligence programs in July 2020.

Jason "Olaf" Roe, Petty Officer, USCG (Ret)

Associate Director and Senior Research Professional, Arctic Domain Awareness Center

Jason "Olaf" Roe, USCG (Ret), is the Associate Director and Senior Research Professional for the Arctic Domain Awareness Center (ADAC) at the University of Alaska, a DHS Center of Excellence. As Senior Research Professional, Mr. Roe's mission is to provide USCG operator focused coordination, guidance, and support to ADAC research and guide project development to maximize CG operational relevance. Mr. Roe's skill and experience with GIS systems, environmental models, and mission planning tools provides ADAC with valuable insight into CG operations. During his 12 years of service in Alaska, working with a wide range of Arctic stakeholders, Mr. Roe developed a respect and admiration for Arctic and rural Alaska, and is committed to increasing the safety and security of the Arctic Region through Community engagement and Operationally relevant research in support of the public good.

TONY PENIKETT

Former Premier of Yukon Territories

Tony Penikett spent 25 years in public life, including two years at the Canadian House of Commons as Chief of Staff to federal New Democratic Party Leader Ed Broadbent; five terms in the Yukon Legislative Assembly; and two terms as Premier of Canada's Yukon Territory. His government negotiated settlements of Yukon First Nation land claims; passed pioneering legislation in the areas of education, health, language; and organised Yukon 2000, a unique bottom-up economic planning process. After serving as Premier of the Yukon, Penikett acted as Senior Aboriginal Policy Advisor for the Premier of Saskatchewan (1995-97) and Deputy

Minister for Negotiations, and later Labour, for the Government of British Columbia (1997-2001).

He is the author of three books, Breaking Trail: A Northern Political Journey (Victoria, BC: Trafford, 2004); Reconciliation: First Nations Treaty Making in British Columbia(Vancouver, BC: Douglas & McIntyre, 2006) and Hunting the Northern Character (Vancouver, BC: UBC Press, 2017), and two films, The Mad Trapper (BBC TV/Time Life Films) and La Patrouille Perdue (ORTF France). As a mediator and negotiator, Penikett has worked on devolution in the Northwest Territories, Nunavut and Yukon. He has lectured on the history of aboriginal treaty negotiations at Simon Fraser University, Queen's University and the University of Washington.

In 2013, Penikett became Fulbright Visiting Research Chair in Arctic Studies at the Henry M. Jackson School of International Studies at the University of Washington. In September 2014, Simon Fraser University's Public Policy School appointed him visiting professor, and he now serves as Senior Associate at the Morris J Wosk Centre for Dialogue there. Penikett serves as a Mentor for the Walter & Duncan Gordon Foundation's Jane Glassco Northern Fellows, Trudeau Mentor at The Pierre Elliott Trudeau Foundation and member of the Advisory Board at Polar Research and Policy Initiative.

BRIGADIER GENERAL F.W. RADIFF

Deputy ANR Commander, Joint Base Elmendorf-Richardson

Brigadier General William Radiff joined the Canadian Armed Forces in 1988. Following the completion of the Basic Officer Training Course, he spent the next four years at Royal Roads Military College (RRMC) Victoria and the Royal Military College of Canada (RMC) Kingston. In 1992 he attended 2 Canadian Forces Flying Training School in Moose Jaw, Saskatchewan earning his wings on helicopter. He was then posted to 19 Wing Comox where he served as a CH113A Labrador Search and Rescue pilot with 442 Transport and Rescue Squadron for three and a half years. In the fall of 1997 BGen Radiff moved back to 15 Wg Moose Jaw where he served three years as a flying instructor on the CT114 Tutor, achieving an A2 instructor rating. BGen Radiff was posted to 4 Wg Cold Lake in December of 2000 and completed the Fighter Pilot Course on the CF188. In 2005, upon completion of the course he was assigned to 433 Escadron d'appui Tactique (ETAC), at 3 Wg Bagotville, Quebec and subsequently became a member of 425 ETAC upon the standing down of 433 ETAC in 2005. In 2006 he served as the Canadian Armed Forces CF188 Air Demonstration Pilot and that summer was posted to the Fighter Standards and Evaluation Team at 4 Wg Cold Lake where he served as the Officer

Commanding FSET. The following year he instructed on the CF188 and held both the Sqn Operations Officer and Deputy Commanding Officer positions at 410. In 2009 BGen Radiff was posted to the Directorate of Air Requirements in Ottawa where he primarily worked on the Next Generation Fighter Capability Project. In 2011 he and his family moved to Montgomery, Alabama where BGen Radiff completed the US Air Command and Staff College program at Maxwell University at Maxwell Air Force Base.

The following year he was posted to the North American Aerospace Defence Headquarters serving as the Operations Officer. In 2013 he assumed the role of the Senior Staff Officer for Fighters at 1 Canadian Air Division in Winnipeg. In the fall of 2014 he deployed to US AFB Al Udeid in Qatar for six months in support of Operation IMPACT as the Target Engagement Authority for Canadian Flying Operations and as the Senior National Representative to the United States' Combined Air Operations Center for all of the contributing nations. For his efforts during this period, BGen Radiff was awarded the Meritorious Service Medal. In 2015, BGen Radiff assumed command of the 409 Tac F Sqn at Cold Lake. He deployed, on many occasions to Eielson AFB, to Comox, British Columbia in support or NORAD operations and, to Inuvik, NWT in support of Northern Sovereignty Operations. In the summer of 2017 BGen Radiff was promoted to the rank of Colonel and, once again, uprooted his family and moved back to Bagotville, Quebec. BGen Radiff has most recently held Command of 3 Wing Bagotville, and finished the National Security Programme at the Canadian Forces College in Toronto, Ontario; at which point he was promoted to his current rank. BGen Radiff has more than 3900 hours of military flying including 1800 hours on the CF188. He holds a Bachelor of Engineering degree from the Royal Military College of Canada (RMC) Kingston and a Master of Military Arts and Operational Science from the USAF Air University. He is married and the couple has two sons.

LCDR. HAL SHIELS

Royal Canadian Navy

LCDR. Hal Shiels has served with the Royal Canadian Navy for over 23 years. Based out of Hailfax, his role focuses on campaign planning, force sustainment planning, requirements analysis, crisis response management, and strategic communication.

KEN SMITH

Grand Chief, Gwich'in Trabal Council

Invited, not confirmed

Kenny was raised in Inuvik and Teetl'it Zheh (Fort McPherson). His mother is Ellen Smith and his grandparents were Peter and Mary Kyikavichik (Kay) of Teetl'it Zheh. One of Kenny's great grandparents was Chief Johnny Kyikavichik (Kay) who was a signatory to Treaty 11 for the Gwich'in (Loucheux). He spent a good part of his youth at the Kay family fishing camp at Rotten Eye which is located on the Husky Channel just down river from Teetl'it Zheh.

Kenny was most recently the Manager of Corporate Affairs for the global mining company, BHP, in Saskatoon. He worked for BHP for almost 9 years in the roles of Community Manager and Senior Advisor for Aboriginal Economic Development for the Jansen Potash Project in Saskatchewan. Prior to BHP, Kenny worked for De Beers Canada in Yellowknife for almost 7 years in Manager and Superintendent roles for the Snap Lake and Gahcho Kue Diamond Mines. He has been a Director for the Yellowknife Chamber of Commerce and Northern Aboriginal Business Association and has also participated on the Indigenous Affairs Committee for the Mining Association of Canada.

Kenny is a member of the Tetlit Gwich'in First Nation (Fort McPherson) and has served on the Gwich'in Settlement Corporation for 4 years between 2016 and 2020 in the roles of Chair and Vice Chair. He holds a Bachelor of Management (Accounting/Finance) from the University of Lethbridge. Kenny currently resides in Inuvik and is married to his wife Tara, has three children – Alexander, Madison and Riley, and is a Jijii (Grandfather) to three grandchildren – Everett, Jonah and Stellan. He enjoys traveling, watching hockey, playing music and golf.

TED SMITH

Manager of Emergency Preparedness, Alaska Native Tribal Health Consortium (ANTHC)

Ted Smith is Manager of Emergency Preparedness at Alaska Native Tribal Health Consortium (ANTHC). Ted Smith has almost 20 years of experience in emergency management and preparedness in Alaska. He previously served as Hospital Prepardness Program Manager and Strategic Stockpile Coordinator at the Division of Health and Social Service of the State of

Alaska and served as Emergency Management Specialist with the Alaska Division of the Department of Homeland Security.

STEVE THOMPSON

Superintendent, Maritime Search and Rescue for the Canadian Coast Guard, Arctic Region

Steve Thompson is the Superintendent, Maritime Search and Rescue for the Canadian Coast Guard, Arctic Region. Steve has ten years of experience working with the Coast Guard in both seagoing and shore based capacities. He was most recently responsible for the development of the Coast Guard's first Arctic Search and Rescue Station, located in Rankin Inlet, NU. Prior to this, as a Senior Analyst, Strategic Business Management, he provided senior leadership with strategic advice and operational recommendations related to program delivery and improvement.Prior to joining the Coast Guard, Steve held various positions within Transport Canada, the Canada Border Services Agency, and as an independent consultant.Steve holds a Bachelor of Science from Western University, a Master of Infrastructure Protection and International Security from Carleton University and a Master of Business Administration – Operations Management from Wilfrid Laurier University. He also holds a Professional in Critical Infrastructure Protection designation from the Critical Infrastructure Institute. Steve currently resides in Ontario with his spouse and dog.

DR. CRAIG TWEEDIE

Professor, Department of Biology and Directs the Environmental Science and Engineering Program at The University of Texas at El Paso (UTEP)

Dr. Craig Tweedie is a Professor with the Department of Biology and Directs the Environmental Science and Engineering Program at The University of Texas at El Paso (UTEP). Tweedie earned his PhD in subantarctic climate change biology and switched to Arctic terrestrial ecology when he began his postdoc at Michigan State University in 2000. With many active collaborations both in the US and internationally, Tweedie maintains an active research program that is focused on land cover change and the impact this has on terrestrial and coastal ecosystem structure and function in the north Alaskan and Beringian Arctic and in the Chihuahuan Desert. Tweedie also has strong interests in education and outreach and the use of cyberinfrastructure to advance environmental science. Among his other academic activities, he is currently serving as the contracted supervisor and chief editor for a NATO Arctic research project.