

NEAR EAST SOUTH ASIA CENTER FOR STRATEGIC STUDIES

A G E N D A

THE MARITIME DOMAIN AND TECHNOLOGY TRANSFORMATIONS:

“A WORKSHOP ON NAVIGATING TECHNOLOGICAL
APPLICATIONS”

14-18 JUNE 2021



Course Director: Mr. Jeffrey Payne
Program Planner: Mr. Magoumba Dieye
Registrar: Ms. Kathryn Pearce

INDEX

Program Calendar

Program Agenda

Biographies

-NESA

-Speakers

Participant List

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Description:

Focusing on the Indian Ocean Region, this workshop seeks to examine how technological advances are impacting the maritime domain and the maritime security professionals who seek to keep our waters safe. Technology is altering how security services equip themselves, how risks/threats are defined by nation states, and even how criminal enterprises operate at sea. The event brings together security professionals from throughout the Indo-Pacific region and features panels led by leading experts on both the maritime and technological sectors.

Seminar Room Link

<https://us.bbcollab.com/guest/a6a543440fd845718af309e37003ff8c>

Dial-in number:

+1-571-392-7650

PIN: 161 238 1162

ADDITIONAL DATA POINTS:

Workshop adheres to the Chatham House rule – comments made, or ideas presented during the workshop can be used beyond the workshop, but no attribution can be made to any individual.

Monday, 14 June/Tuesday, 15 June

- 2230 **Virtual Meeting Room goes Live for Participants**
- 2300 – 2305 **Greetings**
Speaker: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
- 2305 – 2320 **Welcome Session**
Speaker: **LTG (ret.) Terry A. Wolff**, *Director, NESACenter for Strategic Studies*
- 2320 – 2350 **Keynote Session**
Introduction: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
Speaker: **Professor Rory Medcalf**, *Head of the National Security College (NSC), Australian National University*
- 2320 – 2335 **Remarks**
- 2335 – 2350 **Brief Question and Answer Session**
- 2350 – 0000 **Break**
- 0000 – 0115 **Session 1: The Status of the Maritime Domain**
Moderator: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
Speaker 1: **Mr. Blake Herzinger**, *Pacific Forum*
Speaker 2: **Mr. Abhijit Singh**, *Observer Research Foundation*
- 0115 – 0125 **Break**
- 0125 – 0235 **Session 2: Translating Technological Applications**
Moderator: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
Speaker 1: **Ms. Ainikki Riikonen**, *Center for a New American Security*
Speaker 2: **Mr. Agam Rafaeli-Farhadian**, *Executive Board Member at The Public Knowledge*
- 0235 – 0245 **Media and Communications Brief**
Speaker: **Ms. Nancy Luong**, *Media and Communications, NESACenter for Strategic Studies*
- 0245 – 0250 **Conclusion of Day 1**

Tuesday, 15 June/Wednesday 16 June

- 2230 **Virtual Meeting Room goes Live for Participants**
- 2300 - 2305 **Greetings**
Speaker: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
- 2305 - 0045 **Session 3: The “Toys” Often Discussed**
Moderator: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
Speaker 1: **Professor David Des Roches**, *Associate Professor, NESACenter for Strategic Studies*
Speaker 2: **Ms. Rebecca Arcesati**, *Analyst, Mercator Institute for China Studies*
Speaker 3: **Mr. Martijn Rasser**, *Center for a New American Security*
- 0045 – 0055 **Break**
- 0055 – 0150 **Session 4: Geopolitical Context of Technological Applications**
Moderator: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
Speaker 1: **Ms. Schuyler Moore**, *Foreign Policy Advisor to Member of Congress*
Speaker 2: **Ms. Elsa Kania**, *Center for a New American Security*
- 0150 – 0200 **Break**
- 0200 – 0245 **Activity 1: Following the Technological Breadcrumbs (Round 1)**
Participants are broken down into groups to address a challenge involving illicit actors using technology to bypass state actors.
- 0245 – 0250 **Conclusion of Day 2**

Wednesday, 16 June/Thursday, 17 June

- 2230 **Virtual Meeting Room goes Live for Participants**
- 2300 – 2305 **Greetings**
Speaker: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter
for Strategic Studies*
- 2305 – 0005 **Activity 2:** Following the Technological Breadcrumbs (Round 2)
Continuing the activity, the breakout groups will be given the chance to refine
their choices based upon new pieces of information being revealed.
- 0005 – 0015 **Break**
- 0015 – 0130 **Session 5: Technological Opportunities – Data Sharing and MDA**
Moderator: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter
for Strategic Studies*
Speaker 1: **Mr. Gregory B. Poling**, *Senior Fellow for Southeast Asia and
Director, Asia Maritime Transparency Initiative, CSIS*
Speaker 2: **Dr. Andrew Erickson**, *Professor, Strategic and Operational
Research Department, United States Naval War College*
- 0130 – 0140 **Conclusion of Day 3**

Thursday, 17 June, Friday, 18 June

- 2230 **Virtual Meeting Room goes Live for Participants**
- 2300 – 2305 **Greetings**
Speaker: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
- 2305 – 0015 **Session 6: Technical Know How for the Maritime Domain**
Moderator: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
Speaker 1: **Ms. Darshana Baruah**, *Lead, Indian Ocean Initiative, Carnegie Endowment for International Peace*
Speaker 2: **Dr. Ian Ralby**, *I.R. Consilium*
- 0015 – 0025 **Break**
- 0025 – 0135 **Session 7: Necessity of Maritime Security, Technology Strategy, and New Thinking**
Moderator: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
Speaker 1: **Vice Admiral Pradeep Chauhan**, *Director-General, National Maritime Foundation*
Speaker 2: **Dr. Jacquelyn Schneider**, *Hoover Fellow, Hoover Institution*
- 0135 – 0140 **Break**
- 0140 – 0210 **Final Discussion**
Moderator: **Mr. Jeffrey Payne**, *Manager of Academic Affairs, NESACenter for Strategic Studies*
- 0210 – 0215 **Conclusion of Day 4; Final Thoughts; Farewells**



NATIONAL DEFENSE UNIVERSITY
NEAR EAST SOUTH ASIA CENTER FOR STRATEGIC STUDIES
WASHINGTON, D.C. 20319-5066



Maritime Domain and Technology Transformations Workshop

14-18 June 2021
Biographies
In Order of Appearance

<i>NAME</i>	<i>TITLE</i>
<i>LTG (Ret.) Terry A. Wolff</i>	<i>Director, NESACenter for Strategic Studies</i>
<i>Mr. Jeffrey Payne</i>	<i>Manager of Academic Affairs, NESACenter for Strategic Studies</i>
<i>Dr. Hassan Abbas</i>	<i>Professor, NESACenter for Strategic Studies</i>
<i>Professor Rory Medcalf</i>	<i>Head of the National Security College (NSC), Australian National University</i>
<i>Mr. Blake Herzinger</i>	<i>Non-Resident WSD-Handa Fellow Pacific Forum</i>
<i>Mr. Abhijit Singh</i>	<i>Observer Research Foundation</i>
<i>Ms. Ainikki Riikonen</i>	<i>Center for a New American Security</i>
<i>Mr. Agam Rafaeli-Farhadian</i>	<i>Executive Board Member at The Public Knowledge</i>
<i>Professor David Des Roches</i>	<i>Associate Professor, NESACenter for Strategic Studies</i>
<i>Ms. Rebecca Arcesati</i>	<i>Analyst, Mercator Institute for China Studies</i>
<i>Mr. Martijn Rasser</i>	<i>Center for a New American Security</i>
<i>Ms. Schuyler Moore</i>	<i>Foreign Policy Advisor, Member of Congress</i>
<i>Ms. Elsa Kania</i>	<i>Center for a New American Security</i>
<i>Mr. Gregory B. Poling</i>	<i>Senior Fellow for Southeast Asia and Director, Asia Maritime Transparency Initiative, CSIS</i>
<i>Dr. Andrew Erickson</i>	<i>Professor, Strategic and Operational Research Department, United States Naval War College</i>
<i>Ms. Darshana Baruah</i>	<i>Lead, Indian Ocean Initiative, Carnegie Endowment for International Peace</i>
<i>Dr. Ian Ralby</i>	<i>I.R. Consilium</i>
<i>Vice Admiral Pradeep Chauhan</i>	<i>Director-General, National Maritime Foundation</i>
<i>Dr. Jacquelyn Schneider</i>	<i>Hoover Fellow, Hoover Institution</i>



LTG (RET.) TERRY A. WOLFF

Director, NESACenter for Strategic Studies

LTG (Ret) Terry Wolff has been the Director of NESACenter since June 2014. He retired from the U.S. Army in February 2014 after completing over 34 years of service. During his tenure as the Director of NESACenter he also served 39 months (Nov 15-Feb 19) as the Deputy Special Presidential Envoy (DSPE) for the Global Coalition to Defeat ISIS.

LTG (Ret) Wolff's final military assignment was as the Director of Strategic Plans and Policy, J-5 for the Joint Staff from September 2011 until December 2013.

LTG (Ret) Wolff commanded at every level from platoon to armored division. He spent nearly ten years in Germany and served three tours in Iraq commanding the 2nd Armored Cavalry Regiment, the Coalition Military Assistance Training Team, and the United States Division-Center (1st Armored Division).

He has extensive experience in Washington, DC working military strategy and policy matters as well as interagency affairs: first on the Joint Staff as a Colonel; then nearly two years on the National Security Council as a Special Assistant to the President and Senior Director for Iraq and Afghanistan; over two years as the Joint Staff J-5; and three years as the DSPE for the Global Coalition to Defeat ISIS.

Commissioned from the Military Academy in 1979 with a BS in Engineering, he has master's degrees in international Affairs from Catholic University, the School of Advanced Military Studies at Fort Leavenworth, and the Naval War College.



MR. JEFFREY PAYNE

Manager of Academic Affairs
Near East South Asia Center for Strategic Studies

Jeffrey Payne currently serves as the Manager of Academic Affairs at the Near East South Asia (NESA) Center for Strategic Studies. As part of the Center's academic team, he helps to manage over 50 strategic engagements a year. He joined the NESA Center in 2012, after serving for five years as an Instructor of Political Science at Butler University. While at Butler, he served as an expert on Asian politics, political economy, and contentious politics. Mr. Payne has also served as a consultant for the World Bank and as a faculty member for DePauw University.

As a long time Asia Hand, Mr. Payne conducts analysis on Chinese foreign policy, Indian Ocean Rim security, and maritime security. He is particularly interested in the intersection of maritime security and power competition in the Indian Ocean and the security dimensions of growing East Asia-Indian Ocean Rim relations. Presently, he serves as the NESA Center's lead for programs that focus on the Indo Pacific region. He also serves as the director of NESA's programmatic series on security challenges in Indian Ocean Region.

Mr. Payne's writings have appeared in *ChinaFile*, *the National Interest*, *The Diplomat*, *War on the Rocks*, *CIMSEC*, and the Middle East Institute's *MAP Project*, among others. He has presented at defense colleges, universities, and research centers throughout Asia and Europe.



DR. HASSAN ABBAS
Distinguished Professor of International Relations

Hassan Abbas is Distinguished Professor of International Relations at the Near East South Asia Strategic Studies Centre (NESA), National Defense University in Washington DC. He serves as a senior advisor at Project on Shi'ism and Global Affairs at Harvard University's Weatherhead Center for International Affairs and a senior fellow at the Centre of Global Policy, a think tank focusing on intersection of U.S. foreign policy and Muslim geopolitics. His current research work focuses on building narratives for countering political and religious extremism & rule of law reforms in developing states.

Earlier he served as professor and department chair at National Defense University's College of International Security Affairs (2011-2019) and as the Distinguished Quaid i Azam Professor at Columbia University (2009-2011). He held various fellowships including at Harvard Law School's Islamic Legal Studies Program & Program on Negotiation (2002-04); the Belfer Center for Science and International Affairs at the Harvard's Kennedy School of Government (2005-09); Asia Society in New York as Bernard Schwartz fellow (2009-2011); and as a Carnegie fellow at the New America Foundation (2016-2018).

He appeared on various television news shows on CNN, Fox News, The Daily Show with Jon Stewart, the Newshour with Jim Lehrer, Charlie Rose Show, MSNBC (Abrams Report and Hardball), C-Span (Washington Journal) and various programs on CBS, and NBC as an analyst on security related issues in South Asia and Middle East. He has been interviewed for many news stories and analyses for the New York Times, The Washington Post, Boston Globe, Los Angeles Times, and Guardian, etc.



PR. RORY MEDCALF

Head of College, National Security College
Australian National University

Professor Rory Medcalf has been Head of the National Security College (NSC) at the Australian National University since January 2015. He has led the expansion of the College into policy engagement and futures analysis, as well as executive development, education and research. This has positioned the College as ‘more than a think tank’ and a widely-trusted institution bridging academia and government to foster a more inclusive and holistic approach to Australian national security.

His professional background involves three decades of experience across diplomacy, intelligence analysis, think tanks, academia and journalism, including as founding Director of the International Security Program at the Lowy Institute.

In government, Professor Medcalf worked as a senior strategic analyst with the Office of National Assessments (now the Office of National Intelligence), Canberra’s peak intelligence agency. He was also an Australian diplomat, with wide experience including a posting to New Delhi, a secondment to the Japanese Ministry of Foreign Affairs, truce monitoring after the civil conflict in Bougainville and policy development on Asian security institutions. He has contributed to three landmark reports on nuclear arms control: the 1996 Canberra Commission, 1999 Tokyo Forum and 2009 International Commission on Nuclear Non-proliferation and Disarmament. His earlier work in journalism was commended in Australia’s leading media awards, the Walkleys, in 1991.

Professor Medcalf convenes strategic dialogues to develop Australia’s relations with India and several other Indo-Pacific powers. He has been recognised as a thought leader internationally for his work on the Indo-Pacific concept of the strategic environment, as articulated in his acclaimed 2020 book *Contest for the Indo-Pacific* (released internationally as *Indo-Pacific Empire*).

Professor Medcalf was a member of the expert panel providing independent advice on the Australian Government’s 2016 Defence White Paper. He is chief investigator in a 2018-2021 research project funded by the Carnegie Corporation of New York, examining the risks to nuclear stability from new submarine-detection technologies. He is also chief investigator in a 2019-2021 research project on Indo-Pacific strategy in the Indian Ocean, funded by the Australian Department of Defence.

He is a member of the editorial boards of the *Australian Journal of International Affairs* and *Asia Policy*. He has been a Nonresident Senior Fellow with the Brookings Institution and retains affiliations as a Nonresident Fellow with the Lowy Institute and the Seapower Centre of the Royal Australian Navy. He is a serving board member of the National Foundation for Australia-China

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Relations and the ANU Cyber Institute, and an Australian representative on the ASEAN Regional Forum Register of Experts and Eminent Persons.



MR. BLAKE HERZINGER

Non-Resident WSD-Handa Fellow with the Pacific Forum
CIMSEC

Blake Herzinger is a Non-resident WSD-Handa Fellow with the Pacific Forum and President of the Singapore chapter of CIMSEC.

He studied political science at Brigham Young University before spending a decade in active service with the U.S. Navy as an intelligence officer. Now a Foreign Area Officer in the U.S. Navy Reserve, he specializes in Indo-Pacific affairs.

His analysis has been published by Brookings, Foreign Policy, War on the Rocks, and The Diplomat, as well as the publications for the Lowy Institute and the Australian Strategic Policy Institute. He's lived in Singapore since 2013 and is a 2017 graduate of the S. Rajaratnam School of International Studies.

Blake's research focus is on security assistance dynamics, Indo-Pacific security, and seapower.



MR. ABHIJIT SINGH

Head, Maritime Policy Initiative

A former naval officer, Abhijit Singh, Senior Fellow, heads the Maritime Policy Initiative at ORF. A maritime professional with specialist and command experience in front-line Indian naval ships, he has been involved the writing of India's maritime strategy (2007). He is a keen commentator on maritime matters and has written extensively on security and governance issues in the Indian Ocean and Pacific littorals. His articles and commentaries have been published in the Asian Bureau for Asian Research (NBR), the Lowy Interpreter, the World Politics Review, the Diplomat and CSIS Pacific Forum.

Editor of two books on maritime security — *Indian Ocean Challenges: A Quest for Cooperative Solutions* (2013) and *Geopolitics of the Indo-Pacific* (2014), Abhijit has published papers on India's growing maritime reach, security of sea-lines of communication in the Indo-Pacific region, Indian Ocean governance issues and maritime infrastructure in the Asian littorals.

In 2010, he assisted the late Vice Admiral G. M. Hiranandani (Retd) in the authorship of the third volume of Indian Naval History, *Transition to Guardianship*.



MS. AINIKKI RIIKONEN

Research Assistant, Technology and National Security Program
Center for a New American Security (CNAS)

Ainikki Riikonen is a Research Assistant for the Technology and National Security Program at the Center for a New American Security (CNAS). Her research focuses on emerging technologies, particularly artificial intelligence and information systems in the context of international competition.

Before joining CNAS, Ainikki worked at the U.S. Department of Defense's Near East South Asia Center for Strategic Studies where she supported security cooperation programs focused on regional security issues in North Africa, the Middle East, Central Asia, and South Asia.

Her commentary and analysis have appeared in *The Wall Street Journal*, *Defense One*, *Voice of America*, *C4ISRNET*, and *Strategic Studies Quarterly*. Ainikki has an undergraduate degree in international relations from the University of St Andrews and a Master of Arts in security studies from Georgetown University.



MR. AGAM RAFAELI-FARHADIAN

Software Architect

Armis Security

Agam Rafaeli-Farhadian is a software architect at Armis Security, an Israeli cybersecurity firm. His work there covers cyber security asset management in the domains of IoT, operational technology, vulnerability management and remediation planning. He also is the chairman of the board of the Public Knowledge Workshop, an Israeli NGO working to promote open government through the use of open source technologies. Agam is also a major in the Israeli military reserves and has been serving there for the past fifteen years.



MS. REBECCA ARCESATI

Analyst

Mercator Institute for China Studies

Rebecca Arcesati's research focuses on the linkages between China's foreign economic policy and its technology and digital ambitions, as well as how these impact Europe. She works on related subjects including China's industrial and innovation policies, Chinese technology acquisitions and R&D partnerships in Europe, EU-China relations in innovation and research, as well as Chinese overseas investments in digital infrastructure, exports of surveillance technology tools and platforms, digital governance, and China's footprint in technical standardization. Prior to joining MERICS, Ms. Arcesati was involved in a project helping Italian tech startups scale up in China and worked on gender equality with the United Nations in Beijing. She holds an LL.M. in China Studies with a focus on Politics and International Relations from Peking University, where she was a Yenching Scholar. Ms. Arcesati also received an MA in International Studies from the University of Turin. She studied Chinese language in Beijing and Dalian and holds a BA in Language Mediation and Cross-Cultural Communication.



MR. MARTIJN RASSER

Senior Fellow, Technology and National Security Program
Center for a New American Security

Martijn Rasser is a Senior Fellow in the Technology and National Security Program at the Center for a New American Security (CNAS).

Prior to joining CNAS, Mr. Rasser served as a senior intelligence officer and analyst at the Central Intelligence Agency, where he worked on foreign emerging technologies, technology innovation, and weapons research & development. He also served as a senior advisor in the Office of the Secretary of Defense, special advisor to a senior military commander in the Middle East, chief counterterrorism liaison to a U.S. military unit in Iraq, and vice chairman of a National Intelligence Council (NIC) working group.

Upon leaving government service, Mr. Rasser served as Chief of Staff at Muddy Waters Capital, an investment research firm focused on investigating business fraud, accounting fraud, and fundamental problems. More recently, Mr. Rasser was Director of Analysis at Kyndi, a venture-backed AI startup in Silicon Valley.

His commentary and research have appeared in *Foreign Policy*, *Lawfare*, *The National Interest*, the *San Francisco Chronicle*, and *Scientific American*, and he is regularly quoted in outlets such as *Axios*, *Bloomberg*, *Fortune*, *National Journal*, the *New York Times*, *South China Morning Post*, *U.S. News and World Report*, the *Wall Street Journal*, and *WIRED*. Mr. Rasser received his B.A. in anthropology from Bates College and his M.A. in Security Studies from Georgetown University.



MS. SCHUYLER MOORE

Foreign Policy Advisor to Member of Congress

Schuyler Moore is a national security practitioner providing technical and policy subject matter expertise to the Department of Defense. She currently serves as the Director of Science & Technology for the Defense Innovation Board, where she leads multiple portfolios including cybersecurity, battle networks, biotechnology, and artificial intelligence/machine learning.

Schuyler works to promote innovative best practices in technology, workforce, and organizational throughout the military. Her work has contributed to shifts in the tactical operations and strategic direction of the Department of Defense, from her role in 5G strategy development and deployment, to her leadership in leveraging military pathology resources in the fight against COVID-19.

Schuyler has been called upon to provide her expertise on a number of external projects and programs. She has spoken on multiple panels for think tanks and non-profits and has provided inputs to reports and studies across the national security community.

Any personal publications displayed do not represent the position of the Department of Defense.



MS. ELSA B. KANIA

Adjunct Senior Fellow, Technology and National Security Program
Center for a New American Security

Elsa B. Kania is an Adjunct Senior Fellow with the Technology and National Security Program at the Center for a New American Security. Her research focuses on Chinese military strategy, military innovation, and emerging technologies. Her book, *Fighting to Innovate*, should be forthcoming with the

Naval Institute Press in 2022.

At CNAS, Ms. Kania has contributed to the Artificial Intelligence and Global Security Initiative and the “Securing Our 5G Future” program, while acting as a member of the Digital Freedom Forum and the research team for the Task Force on Artificial Intelligence and National Security.

Ms. Kania also works in support of the U.S. Air Force’s China Aerospace Studies Institute through its Associates Program, is a Non-Resident Fellow in Indo-Pacific Defense with the Institute for the Study of War, and is a Non-Resident Fellow with the Australian Strategic Policy Institute’s International Cyber Policy Centre. She serves as an Adjunct Policy Advisor for the non-profit Institute for Security and Technology; contributes to the Party Watch Initiative at the Center for Advanced China Research; and co-founded the China Cyber and Intelligence Studies Institute, a non-profit research collaboration.

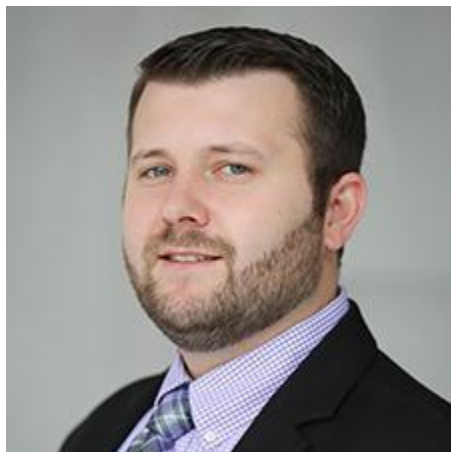
Ms. Kania has been invited to testify before the House Permanent Select Committee on Intelligence, the U.S.-China Economic and Security Review Commission, and the National Commission on Service. She was named an official “Mad Scientist” by the U.S. Army’s Training and Doctrine Command and was a 2018 Fulbright Specialist in Australia with the Australian Strategic Policy Institute.

Her writings and commentary have appeared in *Foreign Affairs*, *Foreign Policy*, *Lawfare*, *Politico*, *Defense One*, *The Strategist*, and *The Bridge*, among others. She has been quoted in outlets including *The New York Times*, *The Washington Post*, *The Wall Street Journal*, *The Financial Times*, and *The Economist*. Her academic research has been published in *The Journal of Strategic Studies*, *The Cyber Defense Review*, and *PRISM*, *The Journal of Complex Operations*.

Ms. Kania’s initial professional experience included time as an intern with FireEye, a summer analyst for the Department of Defense, an analyst with the Long Term Strategy Group, a young ambassador with the Carnegie-Tsinghua Center for Global Policy, and Research Fellow with the Center for Security and Emerging Technology at Georgetown University. While at Harvard, she worked as a research assistant at the Belfer Center and the Weatherhead Center.

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Currently, Ms. Kania is a PhD candidate in Harvard University's Department of Government. Her dissertation will examine military learning and innovation in comparative perspective. She is also a graduate of Harvard College (*summa cum laude*, Phi Beta Kappa), where her senior thesis was awarded the James Gordon Bennett Prize, and has received a Master of Arts in Government from Harvard University. Ms. Kania was a Boren Scholar in Beijing, China, and she maintains professional proficiency in Mandarin Chinese. Her views are her own.



MR. GREGORY POLING

Senior Fellow for South East Asia and Director, Asia Maritime Transparency Initiative
Center for Strategic and International Studies

Gregory B. Poling is a senior fellow for Southeast Asia and director of the Asia Maritime Transparency Initiative at CSIS. He oversees research on U.S. foreign policy in the Asia Pacific, with a particular focus on the maritime domain and the countries of Southeast Asia. His research interests include the South China Sea disputes, democratization in Southeast Asia, and Asian multilateralism. Mr. Poling's writings have been featured in *Foreign Affairs*, the *Wall Street Journal*, *Nikkei Asian Review*, and *Foreign Policy*, among others. He is the author or coauthor of multiple works, including *The Thickening Web of Asian Security Cooperation: Deepening Defense Ties Among U.S. Allies and Partners in the Indo-Pacific* (RAND Corporation, 2019), *Building a More Robust U.S.-Philippines Alliance* (CSIS, August 2015), and *A New Era in U.S.-Vietnam Relations: Deepening Ties Two Decades after Normalization* (CSIS, June 2014). Mr. Poling received an M.A. in international affairs from American University and a B.A. in history and philosophy from St. Mary's College of Maryland.



DR. ANDREW ERICKSON

Professor
US Naval War College

Andrew Erickson is a professor of strategy in the U.S. Naval War College (NWC)'s China Maritime Studies Institute (CMSI). He helped to establish CMSI in 2006 and has subsequently played an integral role in its development. Since 2008 Erickson has been an associate in research at Harvard's Fairbank Center. He has taught courses at NWC and Yonsei University and advises student research and provides curricular inputs at NWC and elsewhere. He helped to establish, and to escort the first iteration of, NWC's first bilateral student exchange in China, which he continues to support. For over a decade, Erickson has managed NWC's scholarly research relationship with Japanese counterparts.



MS. DARSHANA M. BARUAH

Associate Fellow

Carnegie Endowment for International Peace

Darshana M. Baruah is an associate fellow with the South Asia Program at the Carnegie Endowment for International Peace where she leads the Indian Ocean Initiative. Baruah is also currently a visiting fellow at the Sasakawa Peace Foundation, Tokyo, where she is working on a book about the significance of strategic islands in the Indian Ocean region. Her primary research focuses on maritime security in Asia and the role of the Indian Navy in a new security architecture. Her work also examines the strategic implications of China's infrastructure and connectivity projects as well as trilateral partnerships in the Indo-Pacific.

Previously, Baruah was the associate director and a senior research analyst at Carnegie India where she led the center's initiative on maritime security. As the associate director, Baruah's institutional responsibilities included coordinating and overseeing the center's development, outreach, and institutional partnerships. While at Carnegie India, Baruah also coordinated and led various track 1.5 dialogues and seminars. Her research projects included work on the Andaman and Nicobar Islands as well as trilateral partnerships and strategic connectivity projects in the Indo-Pacific.

In 2018, Baruah was also a visiting fellow at the Japan Institute of International Affairs (JIIA) Tokyo. Prior to this, Baruah was a 2016 national parliamentary fellow at the Australian parliament and a visiting fellow at the Australian National University (Canberra) and the Lowy Institute (Sydney), where her research was centered on India-Australia maritime collaboration in the Indo-Pacific.

Baruah was awarded the programme d'invitations de personnalités d'avenir (broadly translates to "personalities of the future") by the French Ministry of Foreign Affairs in 2018 and was also named as the UK's next generation foreign and security policy scholar for 2017.

Prior to Carnegie India, Baruah was with the maritime security initiative at the Observer Research Foundation, where she was the associate editor of the South China



PR. IAN M. RALBY

Founder and CEO
I.R. Consilium

Dr. Ian Ralby is founder and CEO of I.R. Consilium. While he has practiced maritime, military, and international law, much of his career has focused on issues at the intersection of law and security. He is a globally recognized expert in five main areas: 1) maritime law and security, especially identifying and addressing evolving or emerging threats; 2) maritime strategy and development, integrating maritime security, governance and the blue economy; 3) recognizing and countering oil and fuel theft and other resource-related crimes; 4) regulating, governing, and overseeing private security companies—both land and maritime; and 5) certain aspects of international law including the legal regimes around floating armories, protection of submarine cables and the use of force by armed contractors. He is a Maritime Crime Expert for the United Nations Office on Drugs and Crime’s Global Maritime Crime Program; a Nonresident Senior Fellow at the Global Energy Center of the Atlantic Council; and a “Key Opinion Former on Maritime Security” at NATO. He previously spent four years as an Adjunct Professor of Maritime Law and Security at the U.S. Department of Defense’s Africa Center for Strategic Studies, and continues to serve as an expert advisor to and consultant for various government agencies, international organizations, and private sector entities. Dr. Ralby frequently publishes and speaks on matters relating to international affairs and various aspects of law and security. He earned a B.A. in Modern Languages and Linguistics and an M.A. in Intercultural Communication at the University of Maryland, Baltimore County; a J.D. at the College of William and Mary; and an M.Phil. in International Relations and a Ph.D. in Politics and International Studies at St. John’s College of the University of Cambridge.



**VICE ADMIRAL PRADEEP CHAUHAN, AVSM & BAR, VSN,
IN (RETD)**

Director General
National Maritime Foundation, New Delhi

An alumnus of the National Defence Academy, the Defence Services Staff College, the Naval War College, and the National Defence College, with BSc, MSc and MPhil degrees under his belt, Vice Admiral Pradeep Chauhan, AVSM & Bar, VSM, is currently the Director-General of the National Maritime Foundation, New Delhi, which is India's foremost resource centre for the development and advocacy of strategies for the promotion and protection of India's maritime interests.

The admiral retired on 30 November 2013 after an illustrious, rich, and varied four-decade-long career in the Executive Branch of the Indian Navy. This included a stint in Antarctica, as also a three-year deputation to the Government of Mauritius, where he set up and commanded the Mauritius National Coast Guard. He has been the principal evaluator of the Navy's battle-tactics, the Head of the Naval Training Team at the Defence Services Staff College, and the Principal Director of Naval Operations. His sea-going service incorporates as many as four command-appointments, culminating in his command of the aircraft carrier, the *Viraat*. As a Flag Officer, he was the Navy's first Assistant Chief of the Naval Staff (Foreign Cooperation & Intelligence), where he conceptualised and executed the Indian Ocean Naval Symposium (IONS). As a Vice Admiral, he has been Chief of Staff of the Western Naval Command; and was, in his last naval appointment before retirement, the Commandant of the Indian Naval Academy (Ezhimala). He has been commended three times by the President of India for sustained distinguished service. Not one to rest on past laurels, he has remained active even after retirement and is a much sought-after thought-leader and leadership mentor. Apart from being on the visiting faculty of the higher-command establishments of all three of India's defence services, as also tri-Service establishments such as the College of Defence Management, Hyderabad and the National Defence College, New Delhi, he has also been advising the government through his interaction with the Integrated Headquarters of the Ministry of Defence (Navy), the Ministry of External Affairs, and the National Security Council Secretariat. He is, in addition, a prolific writer with over **95** published professional articles and papers, and, a respected Adviser and Fellow of several important think-tanks.



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Jacquelyn Schneider is a Hoover Fellow at the Hoover Institution. Her research focuses on the intersection of technology, national security, and political psychology with a special interest in cybersecurity, unmanned technologies, and Northeast Asia.

Her work has appeared in *Security Studies*, *Journal of Conflict Resolution*, *Strategic Studies Quarterly*, and *Journal of Strategic Studies* and is featured in *Cross Domain Deterrence: Strategy in an Era of Complexity* (Oxford University Press, 2019). Her current manuscript project is *The Rise of Unmanned Technologies* with Julia Macdonald (upcoming, Oxford University Press). In addition to her scholarly publications, she is a frequent contributor to policy outlets, including *Foreign Affairs*, *CFR*, *Cipher Brief*, *Lawfare*, *War on the Rocks*, *Washington Post*, *Bulletin of the Atomic Scientists*, *National Interest*, H-Diplo, and the Center for a New American Security.

In 2018, Schneider was included in CyberScoop's Leet List of influential cyber experts. She is also the recipient of a Minerva grant on autonomy (with co-PIs Michael Horowitz, Julia Macdonald, and Allen Dafoe) and a University of Denver grant to study public responses to the use of drones (with Macdonald). She was awarded best graduate paper for the International Security and Arms Control section of the International Studies Association, the Foreign Policy Analysis section of the International Studies Association, and the Southwest Social Science Association.

She is an active member of the defense policy community with previous positions at the Center for a New American Security and the RAND Corporation. Before beginning her academic career, she spent six years as an Air Force officer in South Korea and Japan and is currently a reservist assigned to US Cyber Command. She has a BA from Columbia University, MA from Arizona State University, and PhD from George Washington University.