

# Geostrategic Futures in the Southern Ocean and Antarctica: Draft program

December 5 and 6 2019

Rydges Capital Hill, Canberra



Climate and  
Sustainability  
Policy Research  
Group

## TRADITIONAL OWNERS

This conference takes place on the ancestral lands of the Ngunnawal people. 'Canberra' means 'meeting place' in the Ngunnawal language. We acknowledge the Ngunnawal people's long and ongoing relationship to this country and pay respect to the Elders, past and present, of the Ngunnawal Nation.

## ORGANISERS

Geostrategic Futures in the Southern Ocean and Antarctica has been organised by The Climate and Sustainability Policy Research Group at Flinders University. For enquiries about CASPR or the Geostrategic Futures workshop, please contact Dr Claire Nettle: [claire.nettle@flinders.edu.au](mailto:claire.nettle@flinders.edu.au) [TheCASPR.org](http://TheCASPR.org)

## GENERAL CONFERENCE INFORMATION

### Venue

Geostrategic Futures is being held at Rydges, Capital Hill, in the Centre of Canberra.

17 Canberra Ave, Forrest.

### Registration

Registration is essential. Please complete the form [here](#) before 26 November 2019.

A workshop pack and name tags will be provided on arrival.

### Wi-fi

Complementary unlimited wi-fi is available for workshop participants. Please enter

Name: RydgesGuest

Password: Restaurant

### Conference reception: Dinner and drinks

Thank you to Konrad Adenauer Stiftung for generously sponsoring the reception. Join us from 6pm for drinks and a buffet dinner. This is an informal reception with no speakers.

Registration by 26 November is essential. Please complete the form [here](#).

## SUPPORTERS

CASPR thanks and acknowledges the following for their support:

- Australian Government Department of Defence
- Konrad Adenauer Stiftung
- Polar Research and Policy Initiative
- Centre for Marine Socioecology
- Australian National Centre for Ocean Resources and Security.

## DAY 1: THURSDAY 5 DECEMBER

8.00–8.45: **Registration; tea and coffee**

9am: **Welcome and Keynote**

**Australian Government Department of Defence (TBC)**

9.40am: **The Antarctic in geostrategic, treaty and legal context**

Moderator: **Roger Bradbury, Australian National University**

- **Professor Robin Warner, University of Wollongong:** Antarctic environmental security: status and challenges
- **Dr Joanna Vince, University of Tasmania:** Challenges and opportunities for Southern Ocean and Antarctic governance

10.50am: **Morning tea**

11.20am: **New and emerging security challenges and threat vectors: Environmental security and domain awareness**

Moderator: **Dr Jamie Ferrill, NSW Police Force Academy**

- **Major General (ret.) Randy 'Church' Kee, University of Alaska:** Arctic domain awareness
- **Professor Douglas Causey, University of Alaska:** Environmental security, climate change and polar operations
- **Brigadier-General JBP (Patrick) Carpentier, Joint Task Force North:** CAF northern operations: Maintaining and extending security and defence conditions in the Arctic
- **Dr Adam Lajeunesse, St Francis Xavier University (TBC)**

12.40pm: **Lunch**

1.50pm: **Geostrategic futures**

Moderator: **Dr Elizabeth Buchanan, Australian National University**

- **Professor Heather Nicol, Trent University:** What makes the changing Antarctic environment a strategic issue?
- **Jeannette Menzies, Global Affairs Canada:** Track-2 diplomacy at the poles
- **Peter Layton, Griffith University:** Australia's east Antarctic geostrategic futures: Nirvana or doom inbound?

3:10pm: **Afternoon tea**

3.40pm: **The international community: Lessons for security and collaborative approaches**

Moderator: **Karine Pontbriand, UNSW Canberra**

- **Professor Christian Leuprecht, Royal Military College, Canada, and Charles Sturt University and Roger Bradbury, ANU:** Polar cousins – Commonalities in the way Canada and Australia approach the poles
- **Dr Dwayne Menezes, Polar Research and Policy Initiative:** Commonwealth commonalities: Is there a role for the Commonwealth?
- **Dr Joe Burton, The University of Waikato and Dr Simona R. Soare, European Union Institute for Security Studies:** Great power competition in the Arctic: Hot spots or new Cold War?

5.10pm: **Facilitated thematic wrap-up**

**Alice Rogoff, *Arctic Today***

6.00 **Conference reception: Buffet dinner and drinks**

## DAY 2: FRIDAY 6 DECEMBER

8.30–9:20am: **Registration; tea and coffee**

9.30am: **Prompting questions and issues: Panel discussion**

**Dr Cassandra Star, Flinders University**

**Professor Christian Leuprecht, Royal Military College, Canada, and Charles Sturt University**

10.20am: **Morning tea**

10.50am: **Interactive session**

**Dr Cassandra Star, Flinders University**

12.00pm: **Lunch**

1.10pm: **Parallel thematic sessions** (topics to be prioritised by participants on registration)

- Geostrategic futures in the Antarctic
- Governance and treaty possibilities
- Current power positioning and points of potential conflict
- Capability and technological development
- Climate impacts – physical, political and operational

2:30pm: **Afternoon tea**

2.50pm: **Bringing together themes from the parallel sessions and identifying key questions and future agenda: Panel discussion**

**Dr Cassandra Star, Flinders University**

**Professor Christian Leuprecht, Royal Military College, Canada, and Charles Sturt University**

4pm: **close**

## PRESENTERS

### **Professor Roger Bradbury, Emeritus Professor of Complex Systems Science, The Australian National University**



Professor Roger Bradbury leads the Strategy and Statecraft in Cyberspace research program for the National Security College at The Australian National University. He is a complex systems scientist, trained originally as a zoologist. His research interests lie in the modelling and simulation of the dynamics of coupled social and natural systems. In recent years he worked in the Australian Intelligence Community on the strategic analysis of international science and technology issues. He is particularly interested in cyberspace as a strategic domain.

He was Chief Scientist in the Bureau of Resource Sciences in the 1990s and leader of the Marine Systems Group and Deputy Director at the Australian Institute of Marine Science in the 1980s. He is a Fellow of the CSIRO Centre for Complex Systems Science and, in the past, has held adjunct positions at the Fenner School of Environment and Society, the Resource Management in Asia-Pacific Program (both at ANU), the School of Integrative Biology at the University of Queensland, and the Faculty of Architecture, Building and Planning at the University of Melbourne.

### **Dr Elizabeth Buchanan, Research Fellow, The Australian National University**



Elizabeth Buchanan is a research fellow at the ANU Centre for European Studies where her areas of expertise are Russian foreign energy strategy and Russian polar geopolitics. Dr Buchanan is a non-resident fellow at the Modern War Institute at The US Military Academy WestPoint. She is co-managing editor of the Institute for Regional Security's *Security Challenges* journal – Australia's sole academic journal for the study of future security issues. Dr Buchanan was recently the

visiting maritime fellow at the NATO Defense College, working on alliance capabilities in the high north. She has published widely on polar geopolitics, most recently with the

NATO Defence College, *Foreign Policy*, *Foreign Affairs*, *The Australian* and the Lowy Institute. Dr Buchanan is a non-resident fellow of the Institute of the North, Alaska, and is a polar analyst for *The Moscow Times*. Dr Buchanan has been a visiting scholar with The Brookings Institution and has work experience in the global oil sector. In 2018, she was an Australian Institute of International Affairs Early Career Research Awardee and in 2019 was listed as a 'young woman to watch in international affairs'.

### **Dr Joe Burton, The University of Waikato**



Dr Joe Burton is a senior lecturer in lecturer in the political science and public policy program and the New Zealand Institute for Security and Crime Science, and Marie Curie Fellow at Université Libre de Bruxelles. His research focuses on regional responses to transnational security challenges, most notably cyber security, with a focus on the Euro–Atlantic and Asia–Pacific regions. His doctoral research analysed NATO’s durability in the post-Cold War era and how the alliance was able to adapt to a changing security environment.

### **Brigadier-General JBP (Patrick) Carpentier, CD Commander, Joint Task Force North**



Brigadier-General Carpentier was commissioned in the Canadian Forces in 1986, following the Basic Air Weapons Control Course in North Bay, Ontario. Throughout his career, he has served in various positions across the globe, including AWACS postings in Canada, the United States, Greenland, Germany and France.

Over five tours with NATO, the French Air Force and the United States Air Force, Brigadier-General Carpentier has amassed over 3480 flying hours and 186 combat and combat support missions in the Balkans, Afghanistan and Iraq.

Having served twice before North of 60, in 2018 Brigadier-General Carpentier was honoured to assume command of Joint Task Force North located in Yellowknife, Northwest Territories, where he currently resides with his wife.



Brigadier-General holds a BA in Political Science, an MSc in Aerospace Administration and is a graduate of the Canadian Armed Forces Joint Command and Staff Program and of the United States Air Force Air War College.

### **Professor Douglas Causey, Director, The Causey Lab, University of Alaska**



The Causey Lab, in the Department of Biology at the University of Alaska Anchorage, studies complex socioecological phenomena associated with climate change of the Arctic in several interdisciplinary contexts. Current projects include population and landscape genetics of Least and Bering cisco of northern Alaska, molecular genetics of haematozoan parasites of Brown Bears, migration demographics of White-Fronted Geese, subsistence and population dynamics of

Yukon-Kuskokwim waterbirds, and ecosystem dynamics of marine bird communities of the High and Low Arctic.

Professor Causey has published over 140 papers in refereed outlets. His published research is focused in the areas of disease ecology of avian zoonotic pathogens, finite systems epidemiology of infectious disease, evolutionary biology including coevolution of viruses and avian hosts, and environmental science.

### **Dr Jamie Ferrill, Lecturer, New South Wales Police Force Academy**



Dr Jamie Ferrill is a lecturer in the School of Policing Studies, based in Goulburn at the New South Wales Police Force Academy. She is concurrently a sessional lecturer in the Australian Graduate School of Policing and Security in Canberra. Dr Ferrill has previously held various lecturer roles in Canada, the United Kingdom and Australia in the fields of criminal justice and business studies. Her research primarily focuses on governance at private, public and global levels. She is especially interested in the role of human actors in

organisational processes, and in transnational cooperation and collaboration.

Prior to her academic career, Dr Ferrill worked for the Canadian federal government with Canada Border Services Agency. She worked at a number of locations throughout Canada in both Customs and Immigration roles. Jamie project managed emergency preparedness portfolios for the agency and had several appointments as an acting superintendent.

Jamie has a PhD in organisational behaviour and policing from Loughborough University in the UK. Her ethnographic study addressed conceptualisations of wellbeing in a police organisation and addressed associated managerial and front-line decision-making processes. Jamie also has a Master's in homeland security leadership from the University of Connecticut in the United States, and an undergraduate in criminal justice from Mount Royal University in Canada.

**Major General (ret.) Randy 'Church' Kee, Executive Director, Arctic Domain Awareness Center, University of Alaska**



Major General Randy 'Church' Kee, United States Air Force (ret.), is the executive director of the Arctic Domain Awareness Center at the University of Alaska, a DHS Center of Excellence. Since January 2016, General Kee has led a distributed team in a comprehensive effort of science and technology, research and development. General Kee has commanded at the squadron, group and wing levels. He served as the Vice Commander of the USAF's Global Air

Mobility Center. General Kee's staff assignments include US Transportation Command, Headquarters USAF, and the US Joint Staff in both Operations and Strategic Plans and Policy Directorates. He has contributed to US Arctic Strategy, supported domain awareness technology development, and contributed to Defense Support on Arctic planning initiatives. He culminated his military service as the Director of Strategy, Policy, Planning and Capabilities for US European Command in Stuttgart, Germany.

**Professor Timo Koivurova, Research Professor, the Arctic Centre, University of Lapland**



Professor Timo Koivurova is director and research professor at the Arctic Centre, University of Lapland, Finland. He has specialised in various aspects of international law applicable in the Arctic and Antarctic regions. In 2002, Professor Koivurova's book *Environmental impact assessment in the Arctic: A study of international legal norms* was published by Ashgate. His research work addresses the interplay between different levels of environmental law, legal status of indigenous peoples, law of the sea in the Arctic waters, integrated maritime policy in the EU, the role of law in mitigating/adapting to climate change, the function and role of the Arctic Council in view of its future challenges and the possibilities for an Arctic treaty. He has been involved as an expert in several international processes including in the Arctic region and has published on the above-mentioned topics extensively.

**Dr Adam Lajeunesse, Irving Shipbuilding Chair in Canadian Arctic Marine Security, St Francis Xavier University**



Adam Lajeunesse is the Irving Shipbuilding Chair in Canadian Arctic Marine Security Policy and an assistant professor at the 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; co-author of *China's Arctic ambitions and what they mean for Canada* (2017); and co-editor of *Canadian Arctic operations, 1941-2015: Lessons learned, lost, and relearned* (2017).

Dr 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. He is a fellow of the Canadian Global Affairs Institute, the Arctic Institute of North America, and the Centre for the Study of Security and Development and sits on the editorial board of the *Canadian Naval Review* and the journal *Arctic*.

### **Dr Peter Layton, Visiting Fellow, Griffith University**



Peter Layton is a visiting fellow at the Griffith Asia Institute, Griffith University. He has extensive aviation and defence experience and, for his work at the Pentagon on force structure matters, was awarded the US Secretary of Defense's Exceptional Public Service Medal. He has a doctorate from The University of New South Wales on grand strategy and has taught on the topic at the Eisenhower College, US National Defense University. For his academic studies, he was awarded a Fellowship to the European University Institute, Fiesole, Italy. He contributes regularly to the public policy debate on defence and foreign affairs issues and is the author of the book *Grand Strategy*.

### **Professor Christian Leuprecht, Royal Military College, Canada, and Charles Sturt University, Australia**



Christian Leuprecht (PhD Queen's) is Class of 1965 Professor in Leadership, Department of Political Science and Economics, Royal Military College and Eisenhower Fellow at the NATO Defence College in Rome. He is cross-appointed, Department of Political Studies and the School of Policy Studies, Queen's University, where he is affiliated with both, the Queen's Centre for International and Defence Policy and the Institute of Intergovernmental Relations, and Adjunct Research Professor, Australian Graduate School of Policing and Security, Charles Sturt University as well as the Centre for Crime Policy and Research, Flinders University. He is also Munk Senior Fellow in Security and Defence at the Macdonald Laurier Institute. An expert in security and defence, political demography, and comparative federalism and multilevel governance, he has held visiting positions in North America, Europe, and Australia, and is regularly called as an expert witness to testify before committees of Parliament.

Professor Leuprecht's publications have appeared in English, German, French and Spanish and include 12 books and scores of articles. His editorials appear regularly across Canada's national newspapers and he is a frequent commentator in domestic and international media.

**Dr Jeffrey McGee, Associate Professor in Climate Change, Marine and Antarctic Law, University of Tasmania**



Associate Professor Jeff McGee is focused on strategies that can help us respond to climate change. He is an expert in global environmental law and governance. Dr McGee analyses the strategies and structures of global and regional institutions that seek to solve problems like climate change and the international laws that affect them. He provides critical analysis and commentary on the development and policy of institutions such as the United Nations Framework Convention on Climate Change and the legal frameworks that bind them. Dr McGee also suggests new laws and institutions that should be formed to more effectively tackle climate change and the solutions that are needed for us to adapt.

**Dr Dwayne Menezes, Managing Director, Polar Research and Policy Initiative**



Dr Dwayne Ryan Menezes is the founder and managing director of Polar Research and Policy Initiative (PRPI), a London-based international think tank dedicated to Arctic, Nordic, North Atlantic, North Pacific and Antarctic affairs. Dr Menezes is also the founder and managing director of two other London-based foreign policy think tanks: Human Security Centre and Commonwealth Policy Development Centre, which supports policy development within and between the 53 member states of the Commonwealth.

Over his policy career, Dr Menezes has served as head of the Secretariat of the All-Party Parliamentary Group for Yemen in the UK Parliament (2015–present); consultant to the Secretary-General of the Commonwealth (2014–2016); principal consultant to the European Parliament Intergroup on the Freedom of Religion or Belief (2015–2016) and research associate to a UN Special Rapporteur (2013–2014). He has held visiting or postdoctoral fellowships at the Universities of Cambridge, Oxford and London. At present, he is an honorary fellow at the UCL Institute of Risk and Disaster Reduction at University College London and an associate fellow at the Institute of Commonwealth



Studies, University of London. Dr Menzies is a board member of *Arctic Today* and *JONAA*, and co-chair of Arctic Encounter London.

### **Ms Jeannette Menzies, Foreign Service Officer, Global Affairs Canada**



Jeannette Menzies is a career Foreign Service Officer at Global Affairs Canada. She recently completed an assignment as the Director of Knowledge Management and Engagement at Polar Knowledge Canada, a federal agency responsible for advancing polar research and managing the Canadian High Arctic Research Station in Cambridge Bay, Nunavut. Ms Menzies has been involved in Arctic policy development, including with respect to Canada's 2013–2015 chairmanship of the Arctic Council. She has also been involved in the negotiation of an Arctic Search and Rescue Agreement and an agreement on enhancing international Arctic scientific cooperation. She was instrumental in the policy development and intergovernmental coordination that led to Canada ratifying the Environmental Protocol to the Antarctic Treaty (Madrid Protocol) in 2003. Jeannette was previously the Head of the Canadian International Arctic Centre located at the Embassy of Canada in Norway. She has also worked at the Canadian Embassy in Ankara, Turkey, and has held assignments at Global Affairs Canada in areas of Consular Services and Emergency Management, humanitarian affairs and disaster response.

### **Professor Heather Nicol, Trent University**



Professor Heather Nicol's research explores the dynamics that structure the political geography of the circumpolar North, with a specific focus on the North American Arctic and Canada–US relations. Her work addresses cross-border relations, tensions, geopolitical narratives and mappings of power and sovereignty. She is currently exploring both the history of circumpolar geopolitics in relation to globalisation and post-global world paradigms, and the related issue of the dynamic of the Arctic Council North American chairmanship, which began in Kiruna Sweden 2013 when Canada assumed the chair, and which continued to 2017, when the American chairmanship concluded. Nicol was the 2015–16 Visiting Fulbright Chair to the University of

Washington at the Centre for Canadian Studies and the Henry M. Jackson School of International Studies.

**Ms Karine Pontbriand, Doctoral Researcher, The University of New South Wales, Canberra**



Karine Pontbriand is a doctoral candidate in cyber security and international relations and a member of the Research Group on Cyber War and Peace at UNSW Canberra Cyber. She is also a research fellow at the Research Group on Cyber Diplomacy and Cyber Security at the Montreal Institute of International Studies (IEIM), affiliated with the University of Quebec in Montreal. Her research focuses on international cyber security and diplomacy, cyber warfare as well as national strategies and foreign policies for cyber security. She has made a few appearances in the media to discuss burning issues related to her field of expertise.

Previously, she worked as a policy analyst for the Digital Inclusion Lab at Global Affairs Canada (Government of Canada), which focused on supporting policy development related to how digital technology can be used in innovative ways to advance Canada's foreign policy priorities. She also worked for six years as a broadcast journalist for the television network TVA in the province of Quebec, Canada.

She holds a BA in International Relations and International Law and an MA in International and Intercultural Communication (with Distinction), both from the University of Quebec in Montreal.

**Ms Alice Rogoff, Publisher, *Arctic Today***



Alice Rogoff is publisher and owner of *Arctic Today*. From 1985 to 1997, she was chief financial officer of *US News and World Report*. She served at *The Washington Post* as assistant to publisher Donald Graham, and was the creator of the Post's national weekly edition. Earlier in her career, she served in President Jimmy Carter's administration as special assistant to the director of the US Office of Management and Budget. Alice Rogoff is also the founder of Arctic Imperative, a lecture series dedicated to raising awareness of circumpolar north issues. She is the former publisher and owner of *Alaska Dispatch*, and co-founder of a number of other organisations, including the Alaska Native Arts Foundation. Alice pilots her Cessna 206.

**Professor Shirley Scott, The University of New South Wales, Canberra**



Professor Shirley Scott is the head of school and a professor in the School of Humanities and Social Sciences at UNSW Canberra. Professor Scott's research and teaching focuses on international law as a dimension of global governance, demonstrating the complex interplay between power politics and international law. Professor Scott has published on a range of subjects including the use of force, climate change, Antarctica, international law and Australian foreign policy, and the nature of United States' engagement with international law. Professor Scott is a member of the Advisory Council of the Asian Society of International Law. She is currently undertaking a project joint with Professor Charlotte Ku on the scope for the UN Security Council to contribute to the governance of climate change adaptation.



### **Dr Simona R. Soare, European Union Institute for Security Studies**



Dr Soare is senior associate analyst at EUISS. Her research focuses on United States security policy, transatlantic security and EU–NATO relations. Prior to joining EUISS, Simona served as advisor to the Vice-President of the European Parliament (2015–2019) and as an analyst with the Romanian Ministry of Defence, working on transatlantic and European security. She has also been a research associate with the Institut d'Études Européennes (IEE) at Université Saint Louis-Bruxelles.

Dr Soare holds a PhD in political science from the National School for Political and Administrative Studies in Bucharest where she lectured on international security (2008–2015). She is the recipient of a US Department of State fellowship on us grand strategy and has published extensively on American and transatlantic security.

### **Dr Cassandra Star, Associate Professor of Public Policy, Flinders University**



Dr Cassandra Star is Associate Professor of Public Policy in the College of Business, Government and Law at Flinders University. She is currently research section head and research theme leader for Flinders Government. Cassandra has an Honours degree from Griffith University and a PhD from Monash University.

Dr Star's research is concentrated on the interface between politics and the policy process and the subsequent impact of these dynamics on policy formulation. In particular, the ways in which stakeholders shape and manipulate the climate policy agenda is the current focus of Dr Star's work.

Dr Star is highly sought after to provide advice and professional development services to state and federal government agencies. She provides significant leadership within political science nationally and internationally, including convening the Environmental Politics and Policy Standing Committee for the Australian Political Science Association.

### **Dr Joanna Vince, Senior Lecturer, University of Tasmania**



Dr Joanna Vince is a senior lecturer in the politics and international relations program at the School of Social Sciences in the College of Arts, Law and Education at the University of Tasmania. She is also co-director of the Marine, Antarctic and Maritime theme at the University of Tasmania. Her research focuses on international, domestic and comparative oceans governance; marine resource management; marine plastic pollution and governance solutions; IUU fishing; and third party certification. Dr Vince is co-author of the book *Oceans governance in the twenty-first century: Managing the blue planet* (Edward Elgar Publishers, 2008) and co-editor of *Marine resources management* (Lexis/Nexis Butterworths, 2011). She has published in top international journals such as *Marine Policy*, *Environmental Science and Policy*, *Ocean and Coastal Management*, *Policy Sciences*, *Journal of Environmental Management and Coastal Management*, and other key marine-based journals such as *Ocean Yearbook* and the *Australian Journal of Maritime and Ocean Affairs*. In 2016, Dr Vince was awarded the Harold D Lasswell prize for her contribution to theory and practice in the policy sciences.

### **Professor Robin Warner, Australian National Centre for Ocean Resources and Security, University of Wollongong**



Professor Robin Warner is deputy director and head of postgraduate studies at the Australian National Centre for Ocean Resources and Security (ANCORS), University of Wollongong, Australia. She was formerly assistant secretary of the International Crime Branch in the Commonwealth Attorney-General's Department from 2002 to 2007, and director of international law for the Australian Defence Force from 1997 to 2000. She is a member of the advisory board for the Oceans Coasts and Coral Reefs Specialist Group of the IUCN World Commission on Environmental Law. Her research interests include law of the sea, oceans governance, marine environmental law and climate law. She is the author of more than 80 publications on ocean law and policy including *Protecting the oceans beyond national jurisdiction: Strengthening the international law framework* (Martinus Nijhoff, Leiden, 2009).