### REIMAGINING MULTILATERALISM IN A CHANGING WORLD

20TH OCTOBER - 21ST OCTOBER 2021

HMS PRINCE OF WALES PORTSMOUTH, UK



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#### WELCOME TO HMS PRINCE OF WALES

It gives me great pleasure to welcome you on board HMS PRINCE OF WALES for the Pacific Future Forum. It is our honour to provide a platform for this partnership of nations to further flourish, leading future collaboration and cooperation across the breadth of our global alliances.

Our sister ship HMS QUEEN ELIZABETH is currently deployed in the Indo-Pacific contributing to security, creating new partnerships and enhancing cooperation in the region. Next year HMS PRINCE OF WALES will continue the UK's Carrier Strike Group journey, deploying as NATO's flagship, harnessing the power of new technologies to deliver on operations across the Euro Atlantic, Mediterranean and North America.

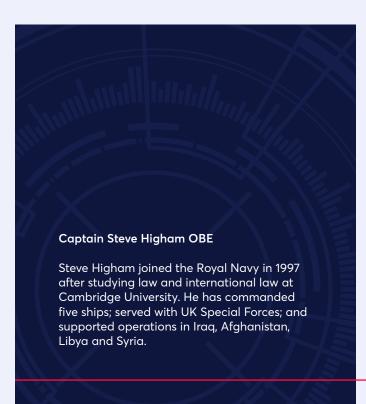
The Queen Elizabeth Class aircraft carriers are the most powerful, adaptable and versatile maritime platforms ever constructed by the Royal Navy. The Government's significant investment in UK Defence will bring to bear world-leading equipment and expertise against the threats and challenges we face.

For the Royal Navy, it will lead to Type 26, Type 31 and Type 32 Frigates emerging from our sovereign shipbuilding enterprise, enhancing our operational reach and influence, and enabling us to expand our contribution to national security.

As the UK's contingent strike carrier, we look forward to playing our part on the world stage, advancing our nation's enduring commitment to global security, promoting innovation and prosperity to build back stronger for a sustainable future. I wish you a productive and enjoyable conference.

Captain Steve Higham OBE

Commanding Officer, HMS PRINCE OF WALES





# INTRODUCTION BY LORD SEDWILL



Chairman of the Pacific Future Forum, and former National Security Adviser and Cabinet Secretary, Lord Sedwill explains why this year's Forum is a critical moment to deepen partnerships between like-minded allies and address the challenges of today and tomorrow.

This year's Pacific Future Forum comes amid great international turbulence as NATO deals with the aftermath of the withdrawal from Afghanistan, the world continues to grapple with the consequences of the COVID-19 pandemic, and the impact of climate change becomes ever clearer.

Because of the pandemic, regrettably, it has not proved possible to hold this Forum as planned in the Indo-Pacific during the deployment of HMS QUEEN ELIZABETH and the Carrier Strike Group. Instead, I am grateful to the Royal Navy and, especially, the captain and crew of her sister ship, HMS PRINCE OF WALES, for stepping in to host the Forum in Portsmouth. Notwithstanding the change of venue, the themes and focus remain the same.

Our authoritarian and extremist adversaries are exploiting the uncertain international situation to advance their own goals and undermine the rulesbased international order on which our modern world relies. It falls to us – not just the United Kingdom and United States of America, but all our allies in the Indo-Pacific – to reassert our values, and demonstrate that we have the will as well as the capabilities to defend

our democratic institutions and the global order. Our task is the same as our predecessors: ensuring that the world in the mid 21st century is safer, sustainable and more prosperous.

As turbulent as the world may seem now, these crises offer our nations a significant opportunity. During and after the Second World War, our leaders came together to reimagine the transatlantic community, deepen alliances, and spur on technological innovation. Cooperation between allies and collaboration between the public and private sectors, is as critical today to restore public confidence in our national and global institutions. And although the Alliance is geographically North Atlantic, our interests are global, so we must project and protect our interests and values with allies and partners in the Indo-Pacific with the same commitment we demonstrated in the Euro-Atlantic theatre during the Cold War.

The UK's relationship with the United States is, and will continue to be, at the centre of this. It is a crucial pillar of our national security and our economic success. Our two nations have some of the most innovative and inventive companies in the world, and I am convinced that we must work ever more closely together if we are to build the greener, fairer, stronger and more united world we need.

In its fourth year, the Forum is once again proud to bring together leaders in government, military and industry from across the globe to explore these opportunities and cement our cooperation, learning the lessons from the pandemic and twenty years of campaigns since 9/11, while focusing on the future challenges of geopolitical competition, climate action, the technological revolution and population demography.

Over the next two days, let us show that we can meet this moment with agility, strength and partnership, and thus protect and project the institutions, interests and values which future generations need just as much as we and our predecessors.

Lord Sedwill

Former Cabinet Secretary and PFF Chairman

# OUTWARDS TO THE WORLD AND FORWARDS TO THE FUTURE

Chris Wilkins, Strategy Director of PFF, talks about how the Forum came into being and why it holds immense value for international governments and businesses four years on.



In 2018, HMS QUEEN ELIZABETH, Britain's first 5th generation aircraft carrier embarked on her historic maiden voyage to New York. At 65,000 tonnes, she was then and still is, the largest and most powerful surface warship ever built for the Royal Navy.

That same year we created the Future Forum – a global event which would forge ever closer relationships with our allies. Our vision for the Forum was grounded in our belief that HMS QUEEN ELIZABETH was the perfect platform to host an event which looked outwards to the worlds and forwards to the future.

Aside from her colossal physical presence, HMS QUEEN ELIZABETH is a constantly evolving piece of technology and an amalgam of the best of British and international innovation, from the gas turbines provided by Rolls-Royce to the sophisticated mission systems of BAE Systems, to Lockheed Martin's supersonic F-35B fighter jets, and more. It is a window into the future of defence and security in a competitive world, and a testament to the collaboration between both likeminded allies and the public and private sectors. She demonstrates much more than a projection of the

UK's 'hard power'. Now flying the flag for Global Britain in the Indo-Pacific, the Carrier Strike Group (CSG) has proved to be a convening force for democratic nations, and a vehicle to promote shared values and common strategic interests.

The ship and her sister ship, HMS PRINCE OF WALES are symbols of what can be achieved when international allies and the public and private sector work together. This was the core inspiration for the Forum four years ago. It was our intention that the event would be a celebration of the best of innovation, inspiration and collaboration – as well as an opportunity to convene a series of high-level discussions around the future of trade, defence, security and geopolitics.

We are proud that today the event is supported by innovative, private companies around the world, and in 2018 we held the inaugural Forum in New York Harbour to great success. This celebrated both the strength of the US-UK relationship, and the first visit of a British carrier to the city in nearly a decade.

Panel discussion at the Atlantic Future Forum 2018 alongside New York.



Since then, the Forum has gone from strength to strength and it is now considered one of the UK Government's premier events. Driven by the Royal Navy, the Whitehall machine and cemented by our chairman, Lord Sedwill, we have brought together senior leaders from across the worlds of defence, security, science and trade, to events in New York, Annapolis and Portsmouth.

As the name indicates, the event does not just focus on challenges and opportunities that we are presented with today, but the world we will inhabit in the next fifty years and beyond. Hosted in a venue that is made up of cutting-edge defence innovation, it is our desire that the Forum is an incubator for future technologies, and innovative thinking.

At each event, experts in AI, cyber-warfare, defence and space have lent their unique perspectives on how we can use this technology to shape the world for the better. This year we have raised the ambition of the Forum, by extending its reach from West to East. It was important to us that this year the event broadened the trans-Atlantic alliance to include other like-minded nations and reflect our transition from a unipolar to a multipolar world.

We look forward to welcoming our allies and partners in the Indo-Pacific this year and hope as always the Forum will be a seminal moment for nations to reflect on the most pertinent issues in the democratic world.

Whether that be the issue of climate change or the recent withdrawal from Afghanistan, we want the Forum to continue to be a place where experts, thinkers and innovators from across the globe can convene, converse and collaborate.

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These are immensely challenging times. We are living through a series of quiet but dramatic revolutions – digital and technological, geopolitical and economic, medical and climatic. Bringing together world-leading thinkers from the armed forces, business, academia, politics and beyond to discuss how to understand, anticipate and respond to these challenges and opportunities is not just a good idea; it is essential. As the AFF also proved, it can be extremely rewarding too.

Peter Frankopan, Professor of Global History, Oxford University

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# MESSAGE FROM OUR DIRECTOR

Stephen Watson, Director of the PFF, sets the scene for the first ever Pacific Future Forum.



This is the fourth time we have convened the Future Forum since our inaugural meeting in 2018. The first Atlantic Future Forum between the United Kingdom and United States was hosted on HMS QUEEN ELIZABETH, at anchor off New York. It was a meeting between great allies which was repeated in Annapolis in 2019 and again last year on the aircraft carrier alongside in Portsmouth, the home of the Royal Navy.

In 2021, our focus has shifted to the Indo-Pacific and the first Pacific Future Forum. This Forum brings together allies and friends from across the region as we consider how to reinvigorate our economies, confront the problems of climate change and reinforce our mutual defence and security. The Pacific Future Forum will be a seminal moment, bringing our nations together, strengthening our alliances and exploring how we build the stronger, more united world we need.

As we gather here in HMS PRINCE OF WALES, the UK Carrier Strike Group led by her sister ship, HMS QUEEN ELIZABETH, continues its deployment across the Indo-Pacific. CSG21 sees the UK working with allies at sea and in the air in the largest maritime deployment of recent times. It had been our intention to host this summit during the Strike Group's visit to South Korea, reinforcing the UK's commitment to the Indo-Pacific. Sadly, COVID necessitated a change of physical location, although our focus over these days remains firmly in the region.

"The Pacific Future Forum will be a seminal moment, bringing our nations together, strengthening our alliances and exploring how we build the stronger, more united world we need."

The PFF owes a great debt to the many people and organisations who have helped shape and stage this Forum. We are especially grateful to the UK Government, our private sector partners and the Royal Navy for their steadfast support. Special thanks must also go to our speakers and specialist contributors as well as to the embassies of countries represented here today. We are also indebted to Lord Sedwill for his inspiring leadership and for chairing the Pacific Future Forum. Finally, my thanks to the Captain and Ship's Company of HMS PRINCE OF WALES for hosting us and for allowing us to raise the PFF flag in your ship.

Stephen Watson Director, Pacific Future Forum

# THE ROYAL NAVY'S RETURN TO THE INDO-PACIFIC

Stephen Watson, the Director of the Pacific Future Forum, sat down with First Sea Lord and Chief of Naval Staff, Admiral Sir Tony Radakin CB ADC to discuss the tremendous progress the Carrier Strike Group is making in the Indo-Pacific.



We're over half-way through the Carrier Strike Group (CSG) deployment to the Indo Pacific led by HMS QUEEN ELIZABETH. Has it delivered on its aims?

So far it has been an outstanding success. Our core objectives at the outset were to promote stability and security overseas through partnerships with likeminded allies, and to advance the Government's trade and prosperity agenda. To this effect the deployment has involved leading NATO's largest exercise in the North Atlantic, operating with French and US carriers in the Mediterranean and supporting Operation Shader in the Middle East. In addition, multi-carrier operations have been conducted alongside the US and Indo-Pacific allies such as New Zealand, Japan and Australia and a trilateral agreement with the Ukraine, worth billions of pounds, was signed aboard HMS Defender.

CSG21 is a huge undertaking for the Royal Navy and UK defence as a whole. Is this a 'once in a decade' effort or can we expect to see a regular – possibly annual – deployment of forces to the region?

The Government has been very clear that we anchor in the Euro-Atlantic and tilt to the Indo-Pacific, and that tilt involves trade, science, diplomacy and defence. The Secretary of State for Defence's visit to the Indo-Pacific in August served to reinforce that CSG is part of a wider government strategy and not a flash in the pan. We have amazing relations with countries of the region, indeed this year we're celebrating 50-years of the Five Powers Defence agreement. We'll also be bolstering our presence with the Littoral Response Group from 2023 and two offshore patrol vessels which will be

permanently deployed in the region. So, whilst such deployments may not be annual, they will definitely be more frequent and complement a more substantial permanent footprint.

You have travelled extensively across SE Asia and the wider Indo-Pacific in recent months and have been meeting with allies and partners. What sort of reception did you receive?

The reception has been resoundingly warm and welcoming. The authority that comes with being a P5 nation, a top ten economy, and having one of the leading militaries in the world, only serves to remind us that we can contribute beyond our own shores - supporting trade, prosperity, security, stability, and tackling global issues from climate change and COVID-19. Throughout the deployment, we've operated at a level that is not intimidating to nations in the region, with many of whom we not only have a shared history, but also a shared view of the world.

Our closest ally – the US – has clearly signaled a change in foreign policy direction with recent events in Afghanistan. The era of major military operations to re-make nations has ended. Should the UK welcome this?

The withdrawal from Afghanistan is a substantial moment. This was a 20-year campaign and we have to be careful not to jump to conclusions based on the last few months. We must recognise the service of people who combatted the terrorism that was emanating from the region and brought hope and education

to swathes of the population who did not have this before. In terms of the broader reflections, we must have humility and grasp the opportunities our trusted alliances and partnerships give us, and one of these partners is the US. We have to be clear headed when it comes to the US – they have contributed immeasurably through NATO, as well as our intelligence and nuclear relationships, and stand by us in operations worldwide. We need to have the confidence and wisdom to step back and look at Afghanistan as a particular set of circumstances, and as such it would be rash to jump to conclusions about the dependability of the US as an ally.

This is the fourth Future Forum hosted on one of the UK's new aircraft carriers. What is the significance of this summit and why is the Royal Navy pleased to be hosting it?

We are delighted to be hosting the Forum and see it go from strength to strength. This year's event is particularly important with the backdrop of the Integrated Review, our tilt to the Indo-Pacific and in light of the new Atlantic Charter at the G7 summit. The Forum allows senior figures from the public and private sectors to come together to look at very significant international issues, within the context of our partnership with the US and nations in the Indo-Pacific. However, most importantly, it is about looking to the future and how we use the bonds that unite us as we step out into the world together.



# THANK YOU TO OUR PARTNERS

Central to the success of the Future Forum, since its first iteration in 2018, has been the collaboration and partnership between the public and private sector. Without the support from our partners, the Forum would not exist. Accordingly we wish to thank the following companies for their advice and generous support in staging the Pacific Future Forum 2021.

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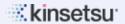




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#### PFF HOST

#### GUEST MODERATOR

#### **SAMIRA AHMED**

JOURNALIST, WRITER AND BROADCASTER
BRITISH BROADCASTING CORPORATION



#### DR JOHN CHIPMAN CMG

DIRECTOR-GENERAL AND CHIEF EXECUTIVE
THE INTERNATIONAL INSTITUTE FOR STRATEGIC STUDIES



Samira Ahmed, journalist and broadcaster, was named the British Broadcasting Press Guild's 2020 Audio Presenter of the Year. Her BBC4 series Art of Persia was the first major Western documentary series to be filmed in Iran for 40 years.

She presents Front Row on Radio 4, the Intelligence Squared podcast How I Found My Voice and Newswatch on BBC1.

Samira won the Stonewall Award for Broadcast of the Year while a presenter at Channel 4 News.

Previously a BBC News correspondent, she covered the OJ Simpson civil trial while the BBC's Los Angeles Correspondent.

"It was a privilege to moderate the AFF 2020 and I'm delighted to be back. With the world in such flux tackling the combined tensions of the Covid 19 pandemic, climate heating, cyber warfare and political instability in some nation states, the PFF 2021 is more welcome than ever: A chance to take stock, share new thinking and ideas from experts across a range of disciplines and face the future head on."

Samira Ahmed

Dr John Chipman CMG is Director-General and Chief Executive of The International Institute for Strategic Studies (IISS). He has served on a variety of corporate international advisory boards and company Boards of Directors and consults widely for businesses with international interests. His Harvard Business Review article of September 2016 on 'Why Your Company needs a Foreign Policy' has been influential in guiding corporate policy. He speaks regularly to business audiences on political risk, regional security and global trends.

He holds a BA (Hons) from Harvard, an MA (Distinction) from the London School of Economics and an M.Phil and D.Phil from Balliol College Oxford. Prior to assuming the Directorship of the IISS in 1993 he served as a Research Associate (1983-84), Assistant Director (1987-90) and Director of Studies (1990-93) at the IISS with a spell (1985-87) as a Research Associate at the Atlantic Institute for International Affairs in Paris.

As CEO of the IISS he has directed its growth globally as the world's premier institute providing facts and analysis on international security issues and has developed its role as a convener of vital intergovernmental summits. He conceived and established two regional security institutions: the IISS Shangri-La Dialogue hosted by Singapore, and the IISS Manama Dialogue hosted by Bahrain.

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#### CLIMATE CHANGE: ACCELERATING FRAGILITY AND INCREASING CONFLICT RISK



#### Shiloh Fetzek is an Associate Fellow at the International Institute for Strategic Studies.

Here she discusses the impact of climate change on the strategic environment, the importance of integrating climate change considerations into national and multilateral security plans and what multilateral organisations are doing to respond to this risk.

Written by: Shiloh Fetzek Photography by: Misbahul Aulia / Unsplash Security institutions are waking up to the scale of the threat that climate change poses to the strategic landscape. The rapid and dramatic reshaping of the physical environment, detailed in the recent Intergovernmental Panel on Climate Change (IPCC) report, is having a myriad of knock-on effects, from accelerating fragility and conflict risk to changing the game in great power competition. The economic, socio-political, and security consequences, if not managed well, could be major contributors to global instability.

Climate change will have impacts across the security spectrum, increasing conflict risk in the most unstable areas of the world. Stresses on resource availability and livelihoods, and shocks like disasters and displacement, risk increasing grievances and tensions. Climate impacts will also make regions currently affected by conflict more difficult to stabilise. In Iraq, Syria, Yemen, Afghanistan, and parts of the Sahel and East Africa, for example, projected warming and drying trends will

significantly impact livelihoods and human security in the coming decades, complicating prospects for peace. Furthermore, if climate adaptation measures become difficult to implement because of insecurity, there is a risk that these unstable, climate-vulnerable situations become self-reinforcing, with potentially far-reaching consequences.

Climate change is also altering the context for geostrategic competition, with new dynamics and tensions arising in domains that are being reshaped. In the Artic, for example, mistrust between Russia and the west is increasingly evident around military activity and build-up, while China is testing the acceptable limits of its commercial, scientific and security activities in the region. Climate change impacts competition for allies and partners, for example in the Indo-Pacific, where infrastructure investments and humanitarian assistance and disaster response (HADR) activities are part of building relationships with climate-vulnerable nations.

The energy transition away from fossil fuels is also going to have geostrategic and security implications. China is manoeuvring to dominate new energy markets by controlling the supply chain for strategic minerals used in the renewables industry, and is pursuing new relationships to secure access. Shifts in the relative wealth and power of hydrocarbons exporters may impact the balance of power in the Middle East, and could further destabilise oil-dependent countries like Venezuela.

In light of these complex impacts on the strategic environment, there are growing efforts to integrate climate into security policy and planning at the national and multilateral level. NATO, with its recently adopted a Climate Security Action Plan and NATO2030 process; the UN, with its Climate Security Mechanism and recent Security Council discussions and actions on climate risk; and the EU, with its Climate Change and Defence Roadmap and significant investments in early warning and crisis prevention, are all working to operationalise risk management. Similarly, an increasing number of defence establishments have developed specific climate change strategies, including the UK, US, and New Zealand, while others, including Japan, have signalled strategic-level recognition of the issue.

Climate change will continue to be a significant force reshaping the domain, and security planners and institutions will need to understand and get ahead of the threat. The investment required to do this, as with other climate action, will be much less costly in both financial and human terms than dealing with the unmitigated consequences.

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'International Institute for Strategic Studies is an international research institute that provides objective information on military, geopolitical and geo-economic developments that could lead to conflict'.

# A FUTURE OF RISK AND OPPORTUNITY FOR THE INDO-PACIFIC

Professor David Kilcullen is Professor of International and Political Studies at UNSW Canberra, Professor of Practice at Arizona State University, and CEO of the research firm Cordillera Applications Group.

Written by: Professor David Kilcullen Photography by: Olivier Le Moal / istockphoto

The Indo-Pacific is an increasingly important zone of geopolitical, economic, technological and military competition among the great powers. The risk of Sino-American conflict is rising, while the Quad and AUKUS are raising fears of a regional arms race. Proliferation of advanced military technologies—both to western allies such as Australia, which is acquiring nuclearpowered submarines and Tomahawk missiles, and to pariah states such as North Korea, which recently tested a hypersonic missile and is accelerating its nuclear weapons program—show these fears are far from groundless. At the same time, terrorism poses a persistent risk across the region, while threats to critical infrastructure from criminal and state actors emphasize the need for enhanced intelligence and security cooperation among like-minded countries. Environmental threats, from wildfires and coastal weather events to sea-level rise and overfishing, pose challenges that can only be met through cooperative efforts. The lingering effects—on public health, prosperity and political stability—of the COVID-19 pandemic will last at least five years and will also require a collaborative response.

Within this context the key future threat is great-power competition between the United States and China, and its second-order effects. Military competition is currently centred on the South China Sea and Taiwan, but with potential for horizontal escalation to Africa, Latin America and South Asia, all of which front the Indo-Pacific and influence conditions there. The United

States' humiliating surrender to the Taliban prompted consternation in Europe and India, jubilation in China, and a morale boost for terrorist groups worldwide. A key risk now is that, in the wake of the Afghan debacle, China may underestimate U.S. resolve and move more aggressively in the Indo-Pacific in the next few years, even as American leaders—over-compensating for weakness on Afghanistan—paradoxically become more willing to risk confrontation over Taiwan to banish fears of U.S. decline.

In the near future, economic decoupling between the United States and China, and the failure of successive U.S. administrations to back their military posture in the Indo-Pacific with a similarly comprehensive trade policy, will continue to force countries to choose between Beijing (the most important trading partner for almost all countries in the region) and their principal security partner in Washington. China's authoritarian turn under Xi Jinping has resulted in coercion against many regional countries (particularly Australia and Vietnam). This has backfired for Beijing, leading directly to Australia's embrace of AUKUS and the Quad. It has also strengthened an anti-China regional consensus in the wake of COVID-19, and in reaction to Chinese political bullying, technological espionage and cyberinterference, aggressive Chinese actions in disputed waters and the rapid PLA build-up of military, naval and space-warfare capability.

The challenge for regional players is that, even as



China becomes more aggressive, the United States looks less reliable. Important Southeast Asian regional players—particularly Vietnam, Indonesia, Malaysia and Singapore—are worried by Sino-American tensions and the potential for a regional high-tech arms race. There is an important opportunity, as a result, for enhanced security cooperation and intelligence-sharing among these countries. Strong existing relationships, such as Australia's strong counterterrorism cooperation program with Indonesia, offer areas on which to build in the future. Likewise, key Pacific powers, particularly the Melanesian Spearhead countries (Papua New Guinea, Fiji, the Solomon Islands and Vanuatu) and New Zealand have recognised the need to stand up to Chinese bullying without becoming dependent on a potentially unreliable U.S. ally, opening up significant potential for collaboration on economic development, climate change mitigation, and COVID-19 vaccination as well as intelligence and security.

Under the UK's Global Britain agenda, British engagement in the Indo-Pacific is likely to deepen significantly in the next few years, as the UK seeks to establish a more regular presence East of Suez, participates in AUKUS and FPDA security cooperation, cements its free trade agreement with Australia and seeks to join the CPTPP, the awkwardly-named successor to the Trans-Pacific Partnership on free trade. Anglo-Australian naval cooperation under AUKUS could expand into permanent or semi-permanent presence in Singapore or Australian ports, while

air forces and ground forces—particularly Special Operations Forces—could expand their Indo-Pacific cooperative security efforts.

Finally, the role of European countries in the future Indo-Pacific security environment must not be underestimated. French anger over AUKUS notwithstanding, France is the most consequential European power in the Pacific with a permanent garrison of 8,000 troops in French Polynesia and New Caledonia, regular naval activities, a strong economic and trading presence, and important possessions in the far southern Indian Ocean, an area of increasing competition as the Antarctic Treaty System is challenged by China and others. Collaborative efforts in the face of Chinese aggression, persistent terrorism and enduring environmental challenges therefore must involve France.

Overall, the near to mid-term future of the Indo-Pacific will bring both heightened conflict risk and increased opportunities for cooperation among like-minded countries. This will be sorely needed in multiple areas from intelligence and security to public health, trade and environmental challenges.



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#### ONBOARD PROGRAMME

The Pacific Future Forum 2021 is an international summit dedicated to strengthening the defence, security, technology and trading relationships between democratic nations. It is one of the UK Government's keynote international events for 2021.

The Forum is an opportunity to hear directly from the preeminent thinkers of the day in defence, security, trade and technology, across both the public and private sectors, as they explore how to reinvigorate our economies, address the problem of climate change and harness new technologies to build back a better world.

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The Forum will be a seminal moment to bring our nations together, strengthen our alliances and explore how we build the stronger, more united world we need.

Lord Sedwill, Chairman, Pacific Future Forum

## ONBOARD PROGRAMME DAY 1

#### WEDNESDAY 20TH OCTOBER

Virtual delegates will be able to watch and interact via the PFF digital platform.

09:00

Welcome

Captain Steve Higham OBE, Commanding Officer, HMS PRINCE OF WALES Samira Ahmed, PFF Host

Opening Address

Lord Sedwill, Chairman, Pacific Future Forum

#### 09:40 Plenary Session: Asia first? The Global Order in the 21st Century

Five billion people, a third of the global economy, and on track to top 50 percent of global GDP by 2040. With the days of a unipolar Western order behind us, this opening panel will focus on Asia's role in shaping geopolitics in the next thirty years, and the opportunities for Trans Pacific cooperation and collaboration. As the centre of economic gravity shifts from West to East, from advanced economies to emerging markets, our panellists will look at the potential impact on the balance of global power in the next decade and beyond. It will further explore how we advance the defence, security, technology and trading relationships to address global crises, and how we can work together to build a safer, more prosperous world.

#### **Speakers**

- Michael R Auslin, Payson J Treat Distinguished Research Fellow in Contemporary Asia, Hoover Institution, Stanford University
- Professor Rory Medcalf, Head of the National Security College, Australian National University
- Dr Ruth Wiseman, Head of Oceania and Myanmar Department, Foreign, Commonwealth and Development Office
- Matt Turpin, Senior Adviser, Palantir Technologies; Visiting fellow, Hoover Institution
- Jusuf Wanandi, Senior Fellow and Co-Founder, Centre for Strategic and International Studies

10:30	Break
11:00	Conversation: Defence cooperation and collaboration in a competitive age
	General Sir Nick Carter GCB CBE DSO ADC, Chief of the Defence Staff, UK General Angus Campbell AO, DSC, Chief of the Defence Force, Australia

Day 1

Onboard programme Wednesday 20th October

11:30

#### Plenary Session: The future of global trade: Balancing self-sufficiency and collaboration

2020 was a turbulent year for trade, with unprecedented shocks to supply chains and global trade flows. In its early days, the pandemic demonstrated the fragility of these supply chains, with the economic forces of the East shifting major trade routes. In many cases this prompted national responses rather than international ones, with some countries adopting isolationist stances. We have learnt from the crisis that whilst self-sufficiency is important, it is equally critical that we have diverse and resilient global supply chains coupled with strong trade partnerships. This panel will explore how our nations can break down the barriers to free trade, strengthen relations and supply chains, and build firmer foundations for innovation, investment, and cross-border activity to flourish. This panel will also focus on how we build a new model of trade for a post-COVID world that is free and fair, and balances the need for self-sufficiency with the need to turbocharge trade and build back our economies.

#### **Speakers**

- Natalie Black CBE, HM Trade Commissioner for Asia Pacific
- Clare Kelly, Acting Deputy Secretary, Ministry of Foreign Affairs and Trade, New Zealand
- Tetsuya Watanabe, Vice President, Research Institute of Economy, Trade and Industry
- Marianne Schneider-Petsinger, Senior Research Fellow, US and the Americas Programme, Chatham House
- Alderman William Russell, Lord Mayor of the City of London

12:30

#### **Lunch Break**

13:30

#### Plenary Session: Future disrupted? The emerging technologies of tomorrow

We face a moment of technological reckoning. Emerging technologies like Quantum and AI are advancing at a rapid speed and could resolve some of the most significant global challenges. If it is developed responsibly, they have the potential to help cure diseases, improve global financial markets and combat climate change. However, in the wrong hands and if deployed irresponsibly, these technologies could disrupt current security protocols and render today's sophisticated encryption systems inoperable. This session will seek to address how we harness their potential and whilst mitigating against their impacts on data privacy and national security. It will explore how we manage the transition to a quantum-safe cryptography world and if a collaborative approach to the use of these disruptive technologies can be realised.

#### **Speakers**

- Professor Angela McLean, Chief Scientific Adviser, UK Ministry of Defence
- Professor K. VijayRaghavan, Principal Scientific Advisor, India
- Ben Hudson, Chief Technology Officer, BAE Systems
- Dr Peter Highnam, Deputy Director, DARPA
- Dr Ian Levy OBE, Technical Director, National Cyber Security Centre

The onboard programme for in-person guests continues as follows.

These sessions are not available on the PFF digital platform – for the continuation of the virtual programme see page 33.

14:15	Closed Sessions
14:15	Deep Dive: Engineering socio-political and economic resilience in a post-COVID world
	Building economic resilience in the face of future shocks is a global challenge for the post-COVID world. This session will assess the vulnerabilities of our economic system and explore how nations and industry can partner with one another to absorb the shocks and build competitive, resilient, and open economies.
	<ul> <li>Speakers</li> <li>Lord Sedwill, Chairman, Pacific Future Forum</li> <li>Peter Frankopan, Professor of Global History, Oxford University</li> <li>Tina Fordham, Partner and Head of Global Strategy, Avonhurst</li> </ul>
14:50	Keynote: The Rt Hon Anne-Marie Trevelyan MP Secretary of State for International Trade
15:05	Break
15:35	Comment and Conversation: Defending democracy in a digital world  The struggle between democracy and authoritarianism has become magnified in our increasingly digital world. This session will look at how we counter the increase in disinformation campaigns and cyber-attacks led by nation state actors and build a global coalition that secures the future of our democratic institutions.
	<ul> <li>Speakers</li> <li>— Alex Aiken, Executive Director, Government Communications</li> <li>— Lindy Cameron OBE, Chief Executive, National Cyber Security Centre</li> </ul>
16:15	Question Time
	<u>Speakers</u>
	<ul> <li>The Rt Hon Amanda Milling MP, Minister of State for Asia, FCDO</li> <li>Jeremy Quin MP, Minister for Defence Procurement, MOD</li> </ul>
16:45	Closing Remarks by Lord Sedwill, Chairman, Pacific Future Forum
17:30	Drinks Reception and Sunset Ceremony
	Hosted by Admiral Sir Tony Radakin KCB ADC, First Sea Lord and Lord Sedwill, Chairman, Pacific Future Forum

#### ONBOARD PROGRAMME DAY 2

#### THURSDAY 21<sup>ST</sup> OCTOBER

Virtual delegates will be able to watch and interact via the PFF digital platform.

09:00	Welcome Remarks
	Admiral Sir Tony Radakin KCB ADC, First Sea Lord
09:10	Reflections: CSG 2021 so far
	Commodore Steve Moorhouse OBE, Commander, UK Carrier Strike Group
09:30	Keynote: Admiral John C. Aquilino, Commander, US Indo-Pacific Command
09:45	Plenary Session: Indo-Pacific defence and trade in a competitive age
	Against the backdrop of rising authoritarianism and a fragmented international order, democratic and technologically advanced nations are seeking to deepen their engagement in the Pacific. This panel will explore what the global reposturing of defence assets and fiscal resources could look like in the years to come, and whether such continuous commitment can help maintain the balance of power, peace and stability in the region. It will consider the full spectrum of a broad-based deterrence approach, the potential of technology to facilitate ways to combine presence and credible combat power, and the challenge of matching resources to strategic ambition.
	<ul> <li>Speakers</li> <li>Peter Tesch, Deputy Secretary Strategy, Policy and Industry, Australian Department of Defence</li> <li>Yuka Koshino, Research Fellow for Japanese Security and Defence Policy, The International Institute for Strategic Studies</li> <li>John Kelly, President and CEO, Hanwha Defense U.S.</li> <li>Damian Parmenter CBE, Director General Strategy and International,</li> </ul>

Ministry of Defence

Lockheed Martin

- Tim Cahill, Senior Vice President, Global Business Development,

10:30 Break

Day 2

#### Onboard programme Thursday 21st October

#### 11:00

#### Conversation: The Indo-Pacific and space - building a collaborative future

The number of countries in the Indo-Pacific actively pursuing space programs continues to grow, and the role of space in communications, earth observation and navigation in support of a sustainable environment and the economy has never mattered more, particularly when considered as critical national infrastructure and a military capability. This conversation will look at how we build an integrated framework for collaboration in space to tackle some of the regional challenges facing the Indo-Pacific. It will also explore how likeminded nations can deepen their engagement in the region, maintain their competitive edge, and leverage space to deliver real change for our planet and its people.

#### **Speakers**

- Ian Annett, Deputy CEO for Programme Delivery, UK Space Agency
- Anthony Murfett, Deputy Head, Australian Space Agency
- Yasuo Ishii, Vice President for Strategy and International Relations,
   Japan Aerospace Exploration Agency

#### 11:30

#### Plenary Session: Enhancing intelligence cooperation in the Indo-Pacific region

**Guest Moderator:** Dr John Chipman, Director-General and Chief Executive, The International Institute for Strategic Studies

The security challenges in the Indo-Pacific are evolving, with terrorism, cybersecurity, foreign interference and serious organised crime posing a great threat to global security and democracy. These threats also pose a significant risk to our economies, with hostile actors increasingly looking to steal, misuse and exploit intellectual property. This session will focus on how we strengthen and deepen cooperation in the region, and build a more multilateral, cooperative security architecture to counter these threats. It will address the current bottlenecks and how we develop a framework for information and intelligence sharing to defend our shared values to ensure peace and stability in the region.

#### **Speakers**

- Sue Mi Terry, Senior Fellow, Korea Chair at Centre for Strategic and International Studies; Former Director for Korea, Japan, and Oceanic Affairs, National Security Council under both Presidents George W. Bush and Barack Obama
- Rick Wagner, President, Microsoft Federal
- Richard Thompson OBE, Visiting Fellow, Strategy and Security Institute, University of Exeter

#### 12:30

13:40

Day 2 Onboard programme
Thursday 21st October

#### Plenary Session: Transforming our world: a secure, sustainable and prosperous future

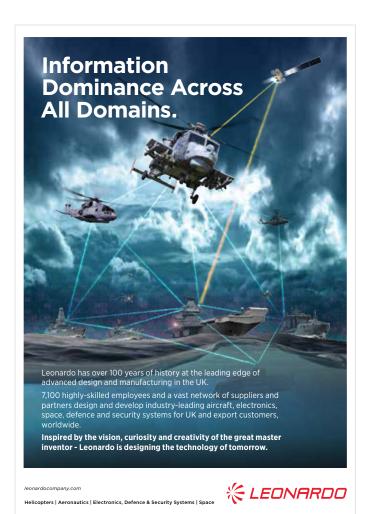
Scene Setter: Ban Ki-moon, Former Secretary General, UN

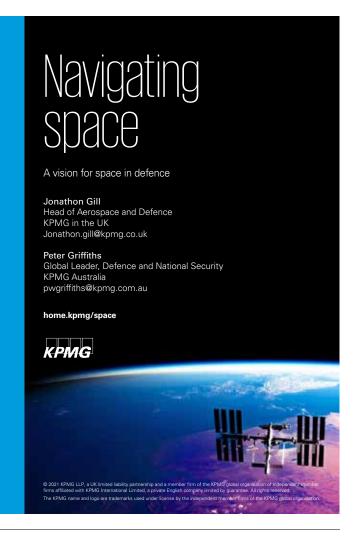
The Munich Security Conference described the global pandemic as a 'polypandemic'- a multifaceted crisis, which has brought to light a wide spectrum of security threats such as health, energy and climate. Increasingly climate change and the associated increase in extreme weather events such as floods, droughts and rising sea level are being recognised not only for their humanitarian impacts, but their political, economic and security risks. In particular, Asian economies are forecast to be hardest hit, with the region's megacities at particular risk from high temperatures and sea levels rising. Increasingly, our nations need to pull together to create a resilient and sustainable future, and to also provide new economic opportunities from creating a growing, green economy. In an unpredictable and globalised world, this panel will discuss how we can build resilience against these new threats, expand the definition of National Security to meet these conditions and build a more sustainable world.

#### **Speakers**

- Samir Saran, President, Observer Research Foundation
- The Hon. Sherri Goodman, Secretary General, International Military Council on Climate and Security
- Benet Northcote, Deputy Chairman, Conservative Environment Network
- Neil Morisetti, Professor of Climate and Resource Security, University College London

14:30	Conversation: UK-US Collaboration in the Indo Pacific
	Dame Karen Pierce, HM Ambassador to the United States of America Philip T. Reeker, Chargé d'affaires a.i., Embassy of the United States
15:00	Closing Remarks by Stephen Watson, Director, Pacific Future Forum
15:10	Networking Tea











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# ADDITIONAL VIRTUAL CONTENT

Alongside our onboard programme, the Forum will be streamed live via our digital platform for our global online audience. In addition to our main stage content, our virtual-only Partner-led Spotlight and Lab Sessions will explore key Forum themes in greater depth.

In the days following the event, the Forum will be available on demand to stream from the PFF digital platform.

## ADDITIONAL VIRTUAL CONTENT DAY 1

#### WEDNESDAY 20TH OCTOBER

07:15

The programme for virtual delegates attending via the PFF digital platform will commence at 07:10.

07:10	PFF Today
07:15	Spotlight Sessions

#### **Boeing: Integrating Autonomous Systems into Maritime Operations**

Above, on, and below the sea, Boeing is redefining the art of the possible using the power of autonomy to further expand and extend the ability of navies around the world to command the vast maritime domain. From advancing Extra Large Un-crewed Undersea Vehicle capabilities through thousands of hours of sea testing, transferring fuel with the world's first un-crewed aerial refuelling aircraft, and flying an uncrewed "Loyal Wingman" aircraft to multiply forces and project power, to providing persistent ISR on and above the surface, Boeing is leading the integration of autonomous systems into maritime operations. This session explores how Boeing is using autonomous technology and digital engineering to support navies in combating today's rapidly evolving threats.

#### **Speaker**

— Rear Admiral (Ret'd) Mike Manazir USN, Interim VP Global Sales & Marketing

#### 07:45 Airbus: Future view of Capabilities and Indo Pacific Challenges

This spotlight session will introduce Airbus and its global portfolio, specifically highlighting current and future capabilities to address the challenges pertinent to the Indo Pacific region. Innovation, international collaboration and partnership are in the Airbus DNA as we continue to advance the defence, space and technology sectors.

#### **Speaker**

— Richard Franklin, UK MD, Airbus Defence & Space

#### BAE Systems: Criticality of Data in the Future Battlespace

Originally live streamed as part of BAE Systems DSEI 2021 live content, this session explores the importance of data integration in the future multi-domain battle space. With the opportunity to collect ever-increasing amounts of information, it is essential to be able to quickly collate, interpret and share data to ensure rapid and informed decision making. Rob Clifford and Darren Nice discuss this important topic and what this means for the future battlespace.

#### **Speakers**

- Rob Clifford, Head of Data, Naval Ships
- Darren Nice, Head of Digital Services, Maritime Services

#### Day 1

#### Additional virtual content Wednesday 20th October

#### 08:15

#### Lockheed Martin: The benefits of global interoperability between allies in all domains, to ensure effective 21st Century defence and security

This spotlight session will explore the advantages of Joint All Domain Operations, providing connectivity, interoperability and integration in partnership with allies jointly across domains to ensure resilience, speed of response and effectiveness in maintaining global defence and security in the 21st Century.

#### **Speaker**

— Jacob Johnson, Director – ISR & UAS Programs

#### PWC: Pacific pivot impact on Industry

Join our expert panel discussing the impact of the Pacific pivot to the strategic defence alliance, budgets and the defence industry.

#### **Speakers**

- Scott Thompson, PwC Global Aerospace and Defence Leader
- Roland Sonnenberg, PwC UK Aerospace and Defence Leader
- Paul Livingston, Chief Executive, Lockheed Martin

#### The additional virtual content continues from 14:45 as follows:

14:45	Spotlight Sessions
14:45	Microsoft: Overview of Azure Space through smaller form factors
	This session will explore the mission solutions Microsoft is developing, with a particular emphasis on space. It will look at the likes of geospatial analytics and global connectivity and how these will impact the customers mission areas.
	Speaker  — Bill Chappell, Vice President, CTO ASCII
	Improbable: 'Virtually' preparing for an era of constant competition
	Demonstrating the utility of Synthetic Environments in operational planning and training.
	<u>Speaker</u> — Jason Kennedy, VP Engineering

#### Day 1

#### Additional virtual content Wednesday 20th October

#### 15:15

#### KPMG: The Future of Defence – Supply Chain and Procurement

Defence supply chains must rapidly adapt for a new era of global competition with an increasing blurring of the distinction between war and peace, as well as the challenges arising from the climate and sustainability dimension with growing expectations of support during domestic crises.

#### Speakers

- Peter Griffiths, Global Head of Defence and National Security
- Shareef Maund, Director Defence Consulting
- Chad Jones, Supply Chain and Operations Subject Matter Professional
- Jacob Hacker, Australian Space Industry Account Lead

#### 15:45

# Arqit: Exploring how transformational quantum encryption technology is keeping safe the data of our governments, enterprises and citizens

This session will introduce you to Arqit – a pioneer and global leader in quantum encryption. Headquartered in the UK, the company listed on NASDAQ in September 2021 with a market cap of \$2bn. With category-defining technology protected by over 1,400 patent claims, a world-leading team of famous cryptographers and engineers have solved the problem of legacy encryption becoming obsolete. The world needs stronger, simpler encryption. Explore how Arqit is providing definitive protection to blue-chip enterprise and government organisations against the current epidemic of cyber-attacks, as well as covering them for future quantum attacks.

#### <u>Speakers</u>

- Paul Feenan, Chief Revenue Officer
- Air Vice-Marshal Rocky Rochelle CB OBE, Chief Operating Officer

#### 16:15

# QinetiQ: Achieving operational advantage through collaboration and the efficient delivery of capability to the front line

This session will explore how greater exploitation of the West's inherent strength, derived from its close relationship between allies, will help it regain its operational advantage. It will look at approaches to international collaboration and partnership, as well as effective assurances of capability.

#### **Speakers**

- Mike Sewart, Chief Technology Officer
- Cathy O'Carroll, Global Campaign Director for Test and Evaluation

# ADDITIONAL VIRTUAL CONTENT DAY 2

#### THURSDAY 21<sup>ST</sup> OCTOBER

The programme for virtual delegates attending via the PFF digital platform will commence at 08:55.

08:55 PFF Today

The onboard programme begins at 09:00. Virtual delegates can watch and interact via the PFF digital platform.

The additional virtual content continues from 15:30 as follows:

15:30

Microsoft: People & Potential: Building for the future, while promoting peace and stability in a fractured world

The discussion will cover digital transformation (including ROI and enabling operation efficiency), skilling/workforce of the future, security (physical/digital security of people, data, infrastructure), and resilience (investing in modernization, interoperability and greater connectivity across agencies).

#### **Speakers**

- Angus MacGregor-Millar, General Manager, Worldwide Defense & Intelligence
- Angela Heise, CVP, Defence and Intelligence
- Hugh Eaton, Vice President, Worldwide Government

#### Airbus: Innovating for a Changing World

Innovation happens when great ideas, people and challenges intercept. This session will explore how innovative ideas transform aerospace breakthroughs, delivering real solutions to meet challenges of today and the future.

## **Speakers**

- Simon Best, Head of Innovation
- Roser Roca Toha, Head of UAS Product Marketing
- Tony Toner, Key Account Manager Military Air

Day 2

Additional virtual content Thursday 21st October

16:15

# PWC: Digital Engineering: A Winning Strategy to Accelerate Innovation

Engineering functions have a long history of embracing digital tools but a new era of connectivity is driving a transformation in the way engineers interact with customers and other organizational functions through "digital engineering." Join us as we discuss what digital engineering is, the drivers of change, and what a successful transformation looks like.

#### **Speaker**

— Mike Goulet, Director PwC Strategy

# MAIN STAGE SPEAKERS

## **ALEX AIKEN**

EXECUTIVE DIRECTOR
GOVERNMENT COMMUNICATION





## IAN ANNETT

DEPUTY CEO FOR PROGRAMME DELIVERY UK SPACE AGENCY





Alex Aiken is the Executive Director for Government Communication covering international issues and national security. He is part of the leadership of the Government Communication Service and was appointed in December 2012. He had led the biggest government campaigns of the last decade on Covid, Brexit and the GREAT Britain campaign.

Between 2000 and 2012 he was Director of Communications and Strategy for Westminster City Council.

Before joining Westminster he worked in Parliament and for Conservative Party. He has trained and advised politicians and officials in countries and states around the world in the practice of government and communications. Ian joined the UK Space Agency in January 2020 as Deputy CEO for Programme Delivery, responsible for overseeing major National space programmes including Spaceflight and the UK Space Based PNT Programme. He is also the Agency's head of profession for programme and project delivery personnel and is a member of the UK Space Agency Steering Board.

Prior to this he was Assistant Chief of Staff for Information Warfare and Chief Information Officer for the Royal Navy, where he was responsible for information, intelligence and communication capabilities.

His previous appointments include Joint Forces Command, the Ministry of Defence Central Staff and the British Defence Staff in Washington, DC.

Ian has a BEng in Electrical and Electronic Engineering and a MSc in Guided Weapon Systems. He is a Fellow of the Institution of Engineering and Technology, an MPLA Alumnus of the Said Business School, Oxford and a member of the Royal College of Defence Studies.

Speakers listed in alphabetical order by surname.

## **ADMIRAL JOHN C. AQUILINO**

COMMANDER
U.S. INDO-PACIFIC COMMAND





# MICHAEL AUSLIN

RESEARCH FELLOW IN CONTEMPORARY ASIA HOOVER INSTITUTION, STANFORD UNIVERSITY





Adm. Chris "Lung" Aquilino is a native to Huntington, New York and a 1984 graduate of the United States Naval Academy. He earned his wings in August 1986. Operationally, he served in numerous fighter squadrons flying the F-14 A/B Tomcat and the F-18 C/E/F Hornet. His fleet assignments include the Ghost Riders of Fighter Squadron (VF) 142 and the Black Aces of VF-41. He commanded the World Famous Red Rippers of VF-11, Carrier Air Wing 2 and Carrier Strike Group (CSG) 2. He has made several extended deployments in support of Operation Deny Flight, Deliberate Force, Southern Watch, Noble Eagle, Enduring Freedom and Iraqi Freedom.

His most recent flag assignments include director of Maritime Operations, U.S. Pacific Fleet (N04); deputy chief of naval operations for Operations, Plans and Strategy (N3/N5), commander, U.S. Naval Forces Central Command, U.S. 5th Fleet, Combined Maritime Forces, and commander, U.S. Pacific Fleet.

Aquilino assumed duties as commander, U.S. Indo-Pacific Command in May 2021. He is entitled to wear the Distinguished Service Medal, Defense Superior Service Medal, Legion of Merit, Bronze Star Medal, Air Medal, as well as several other personal unit and campaign awards. He has accumulated more than 5,100 mishap free flight hours and over 1,150 carrier-arrested landings.

Michael is the inaugural Payson J. Treat Distinguished Research Fellow in Contemporary Asia at Stanford's Hoover Institution, a Fellow of the Royal Historical Society, a senior fellow at Policy Exchange (London) and the Foreign Policy Research Institute (Philadelphia), the senior advisor for Asia at the Halifax International Security Forum, and the vice chairman of the Wilton Park USA Foundation. He previously was an associate professor of history at Yale.

A historian by training, Michael is the author of Asia's New Geopolitics and the best-selling The End of the Asian Century. He is a long-time contributor to the Wall Street Journal, Financial Times, Foreign Policy and The Spectator amongst other publications.

# NATALIE BLACK CBE

HM TRADE COMMISSIONER
ASIA PACIFIC





# TIM CAHILL

SENIOR VICE PRESIDENT, GLOBAL BUSINESS DEVELOPMENT LOCKHEED MARTIN CORPORATION





Natalie Black was appointed Her Majesty's Trade Commissioner (HMTC) for Asia Pacific, covering North-East Asia, South-East Asia and Australasia in September 2018. She has held a number of posts in Her Majesty's Government including: Deputy Head of the Number 10 Policy Unit, Director of the Internet Harms Unit, and Director of the Office of Cyber Security in the Cabinet Office.

Before joining the Civil Service, Natalie was the Chief of Staff for Security at the London Organising Committee of the Olympic and Paralympic Games, London 2012, and a management consultant. She is a graduate of the London School of Economics and Harvard Kennedy School, where she was a Fulbright scholar.

Tim Cahill is senior vice president of Global Business Development at Lockheed Martin Corporation. His role is focused on bringing integrated solutions to domestic and international customers.

He previously served as Senior Vice President for Lockheed Martin International. Before that he was Vice President, Integrated Air and Missile Defense Systems for LM Missiles and Fire Control, where he managed significant programs, including Terminal High Altitude Area Defense, Patriot PAC-3 Missile, Medium Extended Air Defense System and numerous emerging IAMD technologies. Before joining Missiles and Fire Control, he served as Vice President of Engineering and Technology in LM Space Systems Company. As Vice President and General Manager of Strategic and Missile Defense Systems, he was responsible for over 4,000 employees in the US, UK, and Marshall Islands. He also oversaw critical US military efforts, including the US Navy's Trident II D5 Fleet Ballistic Missile and US Air Force's Intercontinental Ballistic Missile programs.

Tim joined Lockheed Martin in 1995, following a distinguished career in the US Air Force, where he managed the integration and launch of twenty military, NASA and classified spacecraft on Space Shuttle, Titan and Atlas launch vehicles. He holds a patent for a modular spacecraft bus design.

## LINDY CAMERON OBE

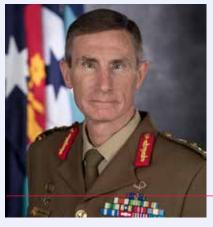
CHIEF EXECUTIVE OFFICER
NATIONAL CYBER SECURITY CENTRE





# GENERAL ANGUS J. CAMPBELL, AO, DSC

CHIEF OF THE DEFENCE FORCE AUSTRALIA





Lindy became CEO of the National Cyber Security Centre in October 2020 following more than two decades of national security policy and crisis management experience.

She was previously a Director-General in the Northern Ireland Office and at the Department for International Development (DFID). After starting her career in the private sector, Lindy served across government both at home and abroad, including postings in Africa, Asia and the Middle East.

General Angus Campbell joined the Australian Army in 1981, graduating from the Royal Military College - Duntroon in 1984. He has served in a number of Infantry, Special Air Service Regiment, and staff appointments.

In late 2005, he joined the Department of Prime Minister and Cabinet as a First Assistant Secretary to head the Office of National Security and was subsequently promoted to Deputy Secretary and appointed to the position of Deputy National Security Adviser.

Upon his return to the Australian Defence Force in early 2010 he was appointed to the rank of Major General and led the Military Strategic Commitments staff in Defence headquarters. He subsequently served as Deputy Chief of Army from February 2012 to September 2013, when he was promoted to Lieutenant General to command the Joint Agency Task Force responsible for the implementation of Operation Sovereign Borders. On 16 May 2015, he was appointed Chief of the Australian Army. General Campbell was subsequently promoted and appointed to command of the Australian Defence Force on 7 July 2018. General Campbell holds a Bachelor of Science (Honours) from the University of New South Wales, a Master of Philosophy in International Relations from Cambridge University and he is a graduate of the Australian Army Command and Staff College.

# GENERAL SIR NICK CARTER GCB CBE DSO ADC

CHIEF OF THE DEFENCE STAFF BRITISH ARMED FORCES





# **TINA FORDHAM**

PARTNER AND HEAD OF GLOBAL STRATEGY AVONHURST





General Sir Nick Carter joined the Army in 1977 and commissioned from the Royal Military Academy Sandhurst into The Royal Green Jackets. During his early career he served in Germany during the Cold War, in Northern Ireland during the Troubles, in Cyprus with the UN and in command of a battalion on operations in Bosnia and Kosovo.

Latterly he has had tours of duty in Iraq as a brigade commander in 2003/4 and repeated tours of Afghanistan between 2002 and 2013. He commanded 55,000 NATO troops in Regional Command South during the Afghan 'surge' and in his last tour led the transition process with the now President Ghani as the Deputy Commander of the NATO mission.

Between these deployments he has had appointments in personnel policy and training, running the Army's Resources and Programme in the Ministry of Defence, as the Director of Land Warfare, and he led the team that reorganised the Army following the 2010 Security and Defence Review.

He has been the Chief of the General Staff since 2014, leading the British Army through the most recent Security and Defence Review in 2015. He assumed the appointment of Chief of the Defence Staff in June 2018.

Tina Fordham is a leading thinker and practitioner in the field of global political analysis for financial markets, with over two decades' experience advising institutional investors, corporate boards and international organisations.

Since 2002, Tina has been a partner and Head of Global Political Strategy at Avonhurst, a London-based boutique advisory firm dedicated to serving the needs of sophisticated capital. She also serves on the international advisory board at Cambridge University's new Centre for Geopolitics.

Previously she was at Citi for 17 years, where she was the first Chief Global Political Analyst on Wall Street and published her ground-breaking research on "Vox Populi" risk, an alternative framework for assessing the impact of political and socio-economic risks on the investment environment. She also led Citi's gender economics work stream.

In 2016, Tina was appointed to the first United Nation's High-Level Panel on Women's Economic Empowerment, twice addressing the UN General Assembly. She has served as Senior Adviser in the UK Prime Minister's Strategy Unit, and in 1999 she founded Eurasia Group's financial markets research business, leading the creation of the firm's emerging markets political stability index and European expansion.

## PETER FRANKOPAN

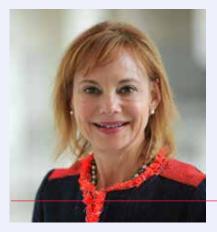
PROFESSOR OF GLOBAL HISTORY OXFORD UNIVERSITY





# HON. SHERRI GOODMAN

SECRETARY GENERAL
INT. MILITARY COUNCIL ON CLIMATE AND SECURITY





Peter Frankopan is Professor of Global History at Oxford University where he is Senior Research Fellow at Worcester College. He works on the past, present and future of the Eastern Mediterranean, Russia, Central Asia, the Middle East, South Asia and China. His books include The Silk Roads: A New History of the World, one of the Sunday Times Books of the Decade 2010-20, and The New Silk Roads: The Present and Future of the World which won the 2019 Carical Prize for social sciences. In 2019, he was named one of the World's 50 Top Thinkers by Prospect magazine.

Sherri Goodman is the Secretary General of the International Military Council on Climate & Security, representing over 35 military and national security organizations across the globe. She is a Senior Fellow at the Woodrow Wilson International Center's Polar Institute and Environmental Change & Security Program, as well as a Senior Strategist at the Center for Climate & Security.

Sherri is the former President and CEO of the Consortium for Ocean Leadership. She served as Senior Vice President and General Counsel of US Center for Naval Analyses. She is the founder and Executive Director of the CNA Military Advisory Board. Sherri served as the first Deputy Undersecretary of Defense (Environmental Security), for which she received EPA's Climate Change Award and twice received the DOD medal for Distinguished Public Service.

She serves on the boards of the Atlantic Council, the Council for Strategic Risks, the Joint Ocean Commission Leadership Initiative, the Marshall Legacy Institute, the Sandia National Laboratory Energy & Homeland Security External Advisory Board, and the University Corporation for Atmospheric Research (UCAR). She is a life member of the Council on Foreign Relations and served on its Arctic Task Force in 2016. A graduate of Amherst College, she has degrees from Harvard Law School and the Kennedy School of Government.

## **CAPTAIN STEVE HIGHAM OBE**

**COMMANDING OFFICER**HMS PRINCE OF WALES





## **DR PETER HIGHNAM**

**DEPUTY DIRECTOR**DEFENSE ADVANCED RESEARCH PROJECTS AGENCY





Steve Higham joined the Royal Navy in 1997 after studying law and international law at Cambridge University. He has commanded five ships; served with UK Special Forces; and supported operations in Iraq, Afghanistan, Libya and Syria. In July 2021 he joined HMS PRINCE OF WALES as Commanding Officer.

Higham commanded the destroyer HMS Defender in the Eastern Mediterranean, Arabian Gulf and Indian Ocean, working with US and French Aircraft Carriers carrying out strikes against Da'esh and supporting US Special Forces in Yemen. He was subsequently awarded the OBE in 2017. He recently worked in the Cabinet Office for the National Security Advisor and, in 2018, was selected by Theresa May to be her Military Assistant. Given the additional role of Private Secretary by Boris Johnson in 2019, he provided support to the Prime Minster on national security policy including: Integrated Review / Spending Review decisions; counter-terrorism; intelligence, cyber and military operations; space policy; strategic nuclear policy and the UK's nuclear and conventional deterrent. He also advised the Prime Minister on HMG policy in the Middle East, Syria, Eastern Mediterranean, Gulf, South / South-East Asia and NATO and on linked domestic prosperity aspects as part of the Johnson Government's levellingup agenda.

Dr Highnam joined DARPA as the deputy director in February 2018 and served as acting director from January- September 2020 and from January-March 2021.

From 2015-2018, he was director of research at the National Geospatial-Intelligence Agency (NGA), on assignment from the Office of the Director of National Intelligence (ODNI), and from 2009-2015 was at the ODNI's Intelligence Advanced Research Projects Activity (IARPA), initially as an office director, and then as director.

From 2003-2009, Dr Highnam was at the U.S. Department of Health and Human Services (HHS) as a senior advisor in the National Institutes of Health (NIH), and then as a senior advisor to the director of the Biomedical Advanced Research and Development Authority (BARDA). Prior to this (1999-2003), he was a DARPA program manager working in electronic warfare and airborne communications.

Dr Highnam worked for over a decade in applied research for Schlumberger Limited, with an emphasis on commercial seismic. He was also a director of a successful biomedical imaging startup. He holds a Ph.D. in computer science from Carnegie Mellon University, an M.Sc. in mathematical logic and the foundations of mathematics from the University of Bristol (UK), and a B.Sc. in computer science from the University of Manchester (UK).

## **BEN HUDSON**

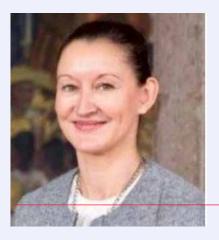
CHIEF TECHNOLOGY OFFICER
BAE SYSTEMS





# **CLARE KELLY**

ASSISTANT SECRETARY, TRADE AND ECONOMIC GROUP
NEW ZEALAND MINISTRY OF FOREIGN AFFAIRS AND TRADE





Ben Hudson is the Chief Technology Officer for BAE Systems and is responsible for leading the companywide strategy to reinforce and enhance the company's position as a technology leader through optimising investments in technology and digitisation across the group.

Ben has extensive international Defence-sector experience and has developed, delivered and supported complex systems for customers across Australasia, the Asia Pacific, the Middle East, Europe and North America. Prior to joining BAE Systems, Ben led the global vehicle systems portfolio for Rheinmetall, based in Germany, held senior roles with General Dynamics, based in Switzerland and served as an Officer in the Australian Army, including active service in East Timor.

Ben is a dual Australian and British national with a degree in Mechanical Engineering and holds an MBA from London Business School. Clare is Assistant Secretary in the Trade and Economic Group of the New Zealand Ministry of Foreign Affairs and Trade, with responsibility for the Ministry's trade policy and negotiating teams. In 2021 she was appointed New Zealand's Permanent Representative designate to the World Trade Organisation, and will take up her posting in early 2022.

From April 2013 to March 2017 she served as New Zealand's Ambassador to Mexico, with concurrent accreditations to Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Nicaragua, Panama, Venezuela and as High Commissioner to Belize.

Between 2009 and 2017 Clare led the Trade in Goods team of the Trade and Economic Group, and was lead Goods negotiator in New Zealand's TPP negotiating team. Prior to this, between 2007-2009, Clare worked as a Trade Adviser in the Geneva office of the law firm White & Case LLP, covering, in particular, trade in services issues, accessions to the WTO and WTO disputes. She was Counsellor in the New Zealand Permanent Mission to the WTO from 2003 to 2007. Previously, she worked as First Secretary in the New Zealand Embassy in Santiago, Chile.

Clare holds a Masters Degree in Political Studies from the University of Auckland, New Zealand.

## JOHN M. KELLY

PRESIDENT AND CEO HANWHA DEFENSE USA





# **YUKA KOSHINO**

FELLOW FOR JAPANESE SECURITY AND DEFENCE POLICY INTERNATIONAL INSTITUTE FOR STRATEGIC STUDIES





John Kelly is the President and CEO of Hanwha Defense USA. He joined Hanwha Defense USA in April 2020. Based in McLean Virginia, he joined as Senior Vice President for business development, responsible for business winning campaigns in the US & Americas region. He was promoted to the President and CEO role in May 2021. He is responsible for the strategy, program performance, and business development in the United States and Americas region.

Prior to joining Hanwha Defense USA, Mr. Kelly ran the government business development team at APTIM Federal services. He then worked for BAE Systems, for over 30 years, where he was responsible for business development and strategy, delivering over \$4B per year of new and repeat business for their platforms and services division.

Mr. Kelly has extensive experience with a wide range of military customers including the US Department of Defense where he led teams that brought the M777 lightweight towed howitzer to the US Army, USMC, Canada, Australia and India.

Mr. Kelly is a Project Management Professional (PMP) and holds a higher national diploma in mechanical and industrial engineering and a post graduate diploma in human resource management from the University of Portsmouth in the U.K.

Yuka Koshino is a Research Fellow for Japanese Security and Defence Policy at International Institute for Strategic Studies focusing on Japan's foreign relations, security, defence, and technology policies, and economic statecraft.

Prior to joining the IISS, Yuka served as a research associate with the Japan Chair at the Center for Strategic and International Studies, where she provided independent analysis on US–Japan relations and US strategy in the Indo-Pacific region.

Yuka also has experience providing policy and business analysis on Asia's high-tech and defence industries at the Avascent Group and the Asia Group in Washington DC. She previously reported and published news stories on Japanese political, economic and business affairs at Tokyo bureaus of the Wall Street Journal, the Economist and the Japan Times.

Yuka holds a MA in Asian studies from the Edmund A. Walsh School of Foreign Service at Georgetown University and a BA in law from Keio University, where she completed an academic year at the University of California, Berkeley. She is also affiliated with the Asia-Pacific Initiative in Tokyo as the inaugural Matsumoto-Samata Fellow.

## DR IAN LEVY OBE

TECHNICAL DIRECTOR
NATIONAL CYBER SECURITY CENTRE





# PROFESSOR ANGELA MCLEAN

CHIEF SCIENTIFIC ADVISER MINISTRY OF DEFENCE





Ian took up the post of Technical Director of the National Cyber Security Centre in October 2016, prior to which he was Technical Director of Cyber Security and Resilience at GCHQ.

As the UK Government's "chief cyber security geek", Ian leads on developing defences to manage cyber threats and fostering technical innovation to find undiscovered solutions to protect the UK from large scale cyberattacks and day-to-day malicious cyber activity.

He has been instrumental in crafting fundamental changes to the UK's strategy on cyber security. His national scale approach to combating cyber threats is borne out of a deep understanding of the unique challenges posed by global interconnectivity and the opportunities to do things differently.

lan was awarded a PhD in Computer Science from Warwick University.

Professor McLean is Ministry of Defence's most senior Science and Technology (S&T) Adviser. She provides strategic leadership for S&T in MOD, sets strategic direction for S&T in Defence and oversees more than £350m of annual research. A major focus of her work is engagement with our international partners and allies on S&T matters and she works closely with industry and academia to access the full range of innovative S&T. She holds a Chair in Mathematical Biology in the Department of Zoology at the University of Oxford and is a Fellow of All Souls College.

## PROFESSOR RORY MEDCALF

HEAD OF THE NATIONAL SECURITY COLLEGE AUSTRALIAN NATIONAL UNIVERSITY





# THE RT HON AMANDA MILLING MP

MINISTER FOR ASIA
FOREIGN, COMMONWEALTH & DEVELOPMENT OFFICE





Professor Rory Medcalf is Head of the National Security College at the Australian National University. He has 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, Canberra's peak intelligence agency. He was an Australian diplomat, with experience in India, Japan and Papua New Guinea, and continues to lead informal strategic dialogues with India and several other Indo-Pacific powers. He has contributed to three landmark international reports on nuclear arms control and was on the independent expert panel for the Australia's 2016 Defence White Paper. He has been recognised as a thought leader internationally for his work on the Indo-Pacific strategic concept, as articulated in his acclaimed 2020 book Contest for the Indo-Pacific.

Professor Medcalf is a member of the ASEAN Regional Forum Register of Experts and Eminent Persons and the board of the National Foundation for Australia-China Relations. He is also a member of the Scientific Advisory Council of the Finnish Institute of International Affairs.

Amanda Milling was appointed Minister for Asia at the Foreign, Commonwealth & Development Office on 16 September 2021.

Amanda was previously Minister without Portfolio at the Cabinet Office from 13 February 2020 to 15 September 2021, Treasurer of HM Household (Deputy Chief Whip) from 28 July 2019 to 13 February 2020 and Assistant Government Whip from January 2018 to July 2019.

# COMMODORE STEVE MOORHOUSE OBE

COMMANDER UNITED KINGDOM CARRIER STRIKE GROUP ROYAL NAVY





# **ANTHONY MURFETT**

**DEPUTY HEAD**AUSTRALIAN SPACE AGENCY





Steve joined the Royal Navy as a University Cadet and, following basic flying training, specialised in Airborne Early Warning with 849 Squadron. As the Squadron Operations Officer onboard HMS Illustrious, he enjoyed the challenges of front line operations in the Northern Arabian Gulf and Sierra Leone. Moorhouse subsequently combined his aviation experience with a wide variety of sea and command appointments. As a Principal Warfare Officer he deployed with HMS Chatham in 2003 for Operation Telic, before joining HMS Bulwark as her first Operations Officer.

His command appointments have included HMS Prince of Wales, the Royal Navy's second aircraft carrier during the final stages of her build programme, and most recently HMS QUEEN ELIZABETH. He has also commanded Task Force 150, a multi-national task force charged with delivering Maritime Security across the western Indian Ocean.

An alumnus of the Joint Services Advanced and Higher Command and Staff Courses, the US Combined Forces Maritime Component Course and the Defence Strategic Leadership Programme, Moorhouse was appointed OBE in the 2015 New Year Honours. Anthony Murfett is Deputy Head of the Australian Space Agency. Anthony has oversight of strategy, policy and day-to-day operations and supports the Agency Head in monitoring the performance of the Agency. Dedicated to purpose, Anthony brings an entrepreneurial spirit to the Agency, valuing partnerships while drawing strength from diversity and pushing the boundaries of our knowledge.

## DAMIAN PARMENTER CBE

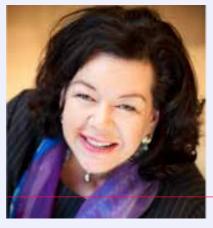
DIRECTOR GENERAL STRATEGY AND INTERNATIONAL MINISTRY OF DEFENCE





# DAME KAREN PIERCE DCMG

HM AMBASSADOR TO THE UNITED STATES OF AMERICA





Damian has been Director General Strategy and International since August 2021. In his previous role as Director of Industrial Strategy and Exports, he was responsible for the successful delivery of the Defence & Security Industrial Strategy and the Overseas Operations Bill which became an Act of Parliament in May 2021.

Damian has also served as Chief of Staff to four Secretaries of State and worked at the Permanent Joint HQ as the Chief of Staff Policy and Finance, in which capacity he was responsible for the generation and development of policy and financial advice to the Chief Joint Operations and into Ministers and senior staff in MOD.

Damian attended the Royal College of Defence Studies in 2013-14, prior to which he was a civilian Head in the Operations Directorate covering a broad range of operational policy issues. Damian has significant experience through his broad range of posts working in Defence and security since 1990. These have included roles in the FCO including two years seconded to Security Policy. He has a Masters Degree in International Security and Strategic Leadership from Kings College London, and a degree in International Politics and Strategic Studies, from UCW Aberystwyth.

Prior to arriving in DC, Dame Karen Pierce was the UK Permanent Representative to the UN in New York. Prior to this role, Pierce served as the Director General for Political Affairs and Chief Operating Officer of the Foreign and Commonwealth Office in London. Pierce's first role in the Office was in Tokyo, after which she returned to the UK to work in the Security Policy Department. She first served in Washington in 1991-96, and afterwards held a range of positions in London covering Ukraine, Belarus, and Moldova, Head of Newsroom, and Head of EU Department (Bilateral), and extensive work on the Balkans. In addition, Pierce has served as the Deputy Permanent Representative at the UK Mission to the UN, the Director of South Asia and Afghanistan Department and Special Representative for Afghanistan and Pakistan, the Ambassador and Permanent Representative to the UN and WTO in Geneva, and the UK's Ambassador to Afghanistan.

## **JEREMY QUIN MP**

MINISTER FOR DEFENCE PROCUREMENT MINISTRY OF DEFENCE





# ADMIRAL SIR TONY RADAKIN KCB ADC

FIRST SEA LORD AND CHIEF OF NAVAL STAFF





Jeremy Quin was appointed Minister of State (Minister for Defence Procurement) at the Ministry of Defence on 13 February 2020. He is responsible for the Defence Equipment Plan; relations with the defence industry; defence exports; defence science and technology; and defence estates and infrastructure.

Before entering politics, Jeremy worked in corporate finance for 25 years latterly as Managing Director of Deutsche Bank. In 2008 to 2009, he served on secondment as senior corporate finance adviser to HM Treasury, assisting them on the UK's response to the financial crisis. In July 2018, Jeremy accepted a role in the Government as a member of the Whips' Office and was promoted to serve as a senior Whip (as "Comptroller of Her Majesty's Household") in July 2019. In December 2019, Jeremy became Parliamentary Secretary in the Cabinet Office with responsibilities for the Government Commercial Function and other crossgovernment programmes.

Sir Tony Radakin was appointed First Sea Lord and Chief of Naval Staff in June 2019. He will become Chief of the Defence Staff in November 2021.

Commissioned in 1990, his operational service has involved the Iran/Iraq Tanker War, security duties in the Falklands, NATO embargo operations in the Adriatic, countering smuggling in Hong Kong and the Caribbean, and three command tours in Iraq – both ashore and at sea. He has commanded from Lieutenant to Rear Admiral of ashore, afloat and international forces. This includes HMS BLAZER and Southampton URNU, HMS NORFOLK, the Naval Training Team in Iraq, the Iraqi Maritime Task Force, Portsmouth Naval Base, and Commander of UK Maritime Forces and NATO's High Readiness Maritime Component Commander.

His staff appointments have predominantly been in either Joint or Defence roles, including: operational planning at PJHQ, two tours as a Military Assistant, and two tours involving financial, capability and strategic force development. More recently, he was Chief of Staff of the Joint Forces Command (2016 – 2018) and Second Sea Lord (2018 – 2019).

His education includes: reading law at Southampton University, qualifying as a barrister, an MA in International Relations and Defence Studies, the Higher Command and Staff Course, and the London Business School's Senior Executive Programme.

## PHILIP T. REEKER

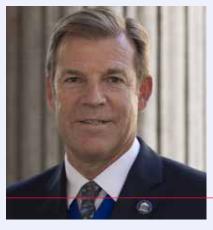
CHARGÉ D'AFFAIRES A.I.
EMBASSY OF THE UNITED STATES





# **ALDERMAN WILLIAM RUSSELL**

LORD MAYOR OF THE CITY OF LONDON





Ambassador Philip T. Reeker was appointed as Chargé d'Affaires, ad interim, at the Embassy of the United States of America to the Court of St. James' on August 1 2021.

A career diplomat with the rank of Minister Counselor, Ambassador Reeker is currently the Acting Assistant Secretary of State for the Bureau of European and Eurasian Affairs. Prior to leading the Bureau of European and Eurasian Affairs, Ambassador Reeker was Civilian Deputy and Policy Advisor to the Commander of U.S. European Command in Stuttgart, Germany, and from 2008-2011 he was the U.S. Ambassador to North Macedonia.

Alderman William Russell took office as the 692nd Lord Mayor of the City of London on 8th November 2019; his Mayoralty was extended due to Covid-19, meaning that he is the first Lord Mayor to serve two consecutive years in office since 1860, finishing in November 2021. He served as a Sheriff of the City of London in 2016-17 and, in that capacity, supported the then Lord Mayor, undertaking numerous visits and official functions.

His updated Mayoral theme is 'Global UK: The New Future' focuses on Culture, Innovation & Trade, in the context of the COVID 19 pandemic and the UK's exit from the European Union. These two drivers will continue to disrupt markets, whilst presenting opportunities and acting as accelerators of change. We must support businesses through the pandemic crisis, speed up the recovery and seize the global trade opportunities of the new future. More than ever, the City's future success depends on its global competitiveness. We must build on our international reputation for openness and ensure everyone is welcomed to the City; and through that business in London, in the UK and across the world can thrive.

## **SAMIR SARAN**

PRESIDENT
OBSERVER RESEARCH FOUNDATION





# MARIANNE SCHNEIDER-PETSINGER

SENIOR RESEARCH FELLOW CHATHAM HOUSE





Samir Saran is the President of the Observer Research Foundation (ORF), India's premier think tank. His research focuses on issues of global governance, climate change and energy policy, technology and media, and India's foreign policy.

He curates the Raisina Dialogue, India's annual flagship platform on geopolitics and geo-economics, and is the founder of CyFy, India's annual conference on cybersecurity and internet governance.

Samir is a member of the Regional Action Group of the World Economic Forum (WEF) and a part of WEF's Global Future Council on Geopolitics. He is a member of the Board of Directors at ORF America and serves on the board of Microsoft's Digital Peace Now Initiative.

Samir has authored four books, edited important journals and publications and written several academic papers and book chapters. He is featured regularly in print and broadcast media. His latest publication is The New World Disorder and The Indian Imperative with Shashi Tharoor.

Marianne Schneider-Petsinger is senior research fellow in the US and the Americas Programme at Chatham House, responsible for analysis at the nexus of political and economic issues. She writes and speaks on global trade, transatlantic economic cooperation and the United States' use of geo-economic strategies and tools. Marianne leads the Chatham House Global Trade Policy Forum.

Before joining Chatham House in 2016, she managed the Transatlantic Consumer Dialogue, an international membership body representing consumer organizations in the EU and US. She also worked for a think-tank on transatlantic affairs in the US and an economics ministry in Germany. She is a regular speaker and panellist at events and conferences as well as guest commentator on broadcast news.

She holds a BA in International Affairs and Economics from the University of Maine, and completed her Master's degree, focusing on International Trade and Finance, at the Fletcher School of Law and Diplomacy at Tufts University and the John F. Kennedy School of Government at Harvard University.

## LORD SEDWILL KCMG FRGS

CHAIRMAN
PACIFIC FUTURE FORUM





# **DR SUE MI TERRY**

SENIOR FELLOW
CENTER FOR STRATEGIC AND INTERNATIONAL STUDIES





Mark Sedwill, Baron Sedwill of Sherborne KCMG FRGS FloD, is a British diplomat, member of the House of Lords and former civil servant who served as Cabinet Secretary to Prime Ministers Theresa May and Boris Johnson and Head of the Civil Service (2018-20), and as National Security Adviser (2017-20).

He was previously the UK's Ambassador to Afghanistan (2009-10), NATO Senior Civilian Representative in Afghanistan (2010-11) and Permanent Secretary at the Home Office (2013-17). He joined the Foreign & Commonwealth Office in 1989, serving in Egypt, Syria, Iraq, Cyprus, Jordan and Pakistan.

Lord Sedwill is Chairman of the Pacific Future Forum, and of the G7 Panel on Economic Resilience.

Prior to joining CSIS, Dr Terry had a distinguished career in intelligence, policymaking, and academia. She served as a Senior Analyst at the CIA (2001- 2008), Director for Korea, Japan, and Oceanic affairs at the National Security Council under both Presidents George W. Bush and Barack Obama (2008-2009), Deputy National Intelligence Officer for East Asia at the National Intelligence Council (2009- 2010), and National Intelligence Fellow at the Council on Foreign Relations (2010-2011). Since leaving the government, she has been a Senior Research Scholar at Columbia University's Weatherhead East Asian Institute (2011-2015) and Senior Adviser for Korea at BowerGroupAsia (2015-2017).

She holds a Ph.D. and an M.A. in Law and Diplomacy from the Fletcher School of Law and Diplomacy, Tufts University, and a B.A. in political science from New York University.

# PETER TESCH

DEPUTY SECRETARY STRATEGY, POLICY AND INDUSTRY DEPARTMENT OF DEFENCE, AUSTRALIA





# THE RT HON ANNE-MARIE TREVELYAN MP

MEMBER OF PARLIAMENT
SECRETARY OF STATE FOR INTERNATIONAL TRADE





Mr Tesch was appointed Deputy Secretary on 1 May 2019 and heads the Strategy, Policy, and Industry Group at the Australian Department of Defence.

Mr Tesch comes to this role following a distinguished career as a senior officer with the Department of Foreign Affairs and Trade (DFAT). He most recently served as Australia's Ambassador to the Russian Federation from March 2016 until April 2019. Prior to this, he held several executive positions in DFAT, including as First Assistant Secretary International Security Division from January 2014 to December 2015. Mr Tesch has also previously served in the Office of the Minister for Trade (1993-1994).

He has previously represented Australia overseas as Ambassador to Germany (2009-2013); Commissioner-General for the Shanghai 2010 World Expo (2008-2009); Deputy Permanent Representative to the United Nations, New York (2002-2005); Deputy Commissioner-General at the Expo 2000, Hanover (1999-2000); Ambassador to Kazakhstan (1997-1999); and Third Secretary, Moscow (1989-1991).

Mr Tesch holds a Bachelor of Arts degree with Honours from the University of Queensland. He speaks German and Russian. Anne-Marie Trevelyan was appointed Secretary of State for International Trade and President of the Board of Trade on 15 September 2021. She was appointed as the UK International Champion on Adaptation and Resilience for the COP26 Presidency on 7 November 2020.

Anne-Marie was previously Minister of State (Minister for Energy, Clean Growth and Climate Change) at the Department of Business, Energy and Industrial Strategy from January 2021 to September 2021. Previously she was the Secretary of State for International Development from February to September 2020. She was Minister of State for the Armed Forces from 17 December 2019 to 13 February 2020, and Minister for Defence Procurement from 27 July 2019 to 16 December 2019

Anne-Marie was first elected as Member of Parliament (MP) for the Berwick-upon-Tweed constituency at the 2015 general election.

A chartered accountant by trade, Anne-Marie sat on the House of Commons' Public Accounts Committee from July 2015 to May 2017 and December 2018 to July 2019. She has previously served as the Parliamentary Private Secretary to the Secretary of State for Defence. As an MP, she has campaigned with colleagues for greater autism awareness and has focused on the Armed Forces Covenant.

## **MATT TURPIN**

SENIOR ADVISER TO CEO; VISITING FELLOW
PALANTIR TECHNOLOGIES; HOOVER INSTITUTION





# PROFESSOR K. VIJAYRAGHAVAN

PRINCIPAL SCIENTIFIC ADVISER
GOVERNMENT OF INDIA





Matt Turpin is a senior advisor to the CEO of Palantir Technologies. His primary responsibility is to help the company perceive and adapt to shifting geopolitical trends in North America, Europe and Asia. He is also a Hoover Institution Visiting Fellow at Stanford University.

Until August 2019, Mr. Turpin was a Commerce Department official serving as the Director for China at the U.S. National Security Council in the White House. He was responsible for managing interagency efforts to develop and implement U.S. Government policies on the People's Republic of China and led multiple bilateral and multilateral negotiations for the United States.

Mr. Turpin is a retired U.S. Army officer, serving for over 22 years in uniform. He served for three years as the Chief of Crisis Planning at the U.S. Pacific Command and in 2013, he became an advisor on China to the Chairman and Vice Chairman of the Joint Chiefs of Staff. From 2014 to 2016, he was assigned to assist the Deputy Secretary of Defence with understanding the implications of great power competition on the Department of Defence and the role of innovation in U.S. defence policy.

Professor K. VijayRaghavan is Principal Scientific Adviser to the Government of India and the Chairperson of Prime Minister's Science, Technology & Innovation Advisory Council (PM-STIAC). He was Secretary of the Department of Biotechnology between January 2013 to February 2018.

The Principal Scientific Adviser works with all arms of the Government, with States and citizens, as well as national and international agencies. The goal is that the benefits of science, technology and innovation solutions reach the most needy, for the sustainable development of India and for the wellbeing of our planet.

VijayRaghavan is also a Distinguished Professor at the National Centre of Biological Sciences (NCBS), Tata Institute of Fundamental Research Bangalore (TIFR) and was the NCBS Director till 2013. He studied Chemical Engineering at the Indian Institute of Technology, Kanpur, holds a Ph.D. in Molecular Biology from the Tata Institute of Fundamental Research was a Senior Research Fellow at the California Institute of Technology.

VijayRaghavan is a Fellow of the Indian Science Academies, the Royal Society, the Academy of Medical Sciences (UK) and a Foreign Associate of the US National Academy of Sciences. He was awarded the Padma Shri by the Government of India in 2013.

## **RICK WAGNER**

PRESIDENT
MICROSOFT FEDERAL







SENIOR FELLOW AND CO-FOUNDER
CENTRE FOR STRATEGIC AND INTERNATIONAL STUDIES





Rick Wagner leads Microsoft Federal, supporting federal agencies of all sizes and scopes as they deliver mission-critical work and embrace technology to achieve objectives and serve citizens. Microsoft Federal's scope includes Customer Success, Sales, Consulting and Delivery, CTO expertise and Marketing and Operations. The organization also has tight integration with Microsoft's US Sales, Partner and Engineering organizations to bring transformational IP and solutions to federal customers.

Mr. Wagner has been selected to the Washington 100 for three consecutive years, was selected as 2019 Intelligence Leader of the Year and is a 2021 Federal 100 awardee. He is a staunch advocate of efforts that support veterans and has a passion for Early Childhood Education and STEM projects. Mr. Wagner is a member of the Intelligence & National Security Alliance (INSA) Board of Directors and Fairfax Future's Board of Directors. He was recently appointed as a commissioner to the Fairfax County Economic Development Authority. Additionally, he is a member of AFCEA and the 4x24 Leadership Program of Executive Mosaic.

Mr. Wagner earned a Master of Engineering Management from George Washington University and a Bachelor of Science in Electrical Engineering from the University of Pittsburgh. Jusuf Wanandi is Senior Fellow and co-founder of the Centre for Strategic and International Studies, and Vice Chairman of the Board of Trustees CSIS Foundation, Jakarta. He is Vice Chair of the Indonesian National Committee for the Pacific Economic Cooperation Council, Co-Chair of the Pacific Economic Cooperation Council form 2009-2015, and Co-Chair of the Council of Security Cooperation in Asia Pacific, Indonesia. He is publisher of The Jakarta Post, as well as Vice Chairman of the Board of Trustees of Prasetiya Mulya University, and Chairman of the Foundation of Panca Bhakti University in Pontianak, West Kalimantan.

Jusuf was assistant professor of law at the University of Indonesia. He was appointed as Secretary of the Indonesian Supreme Advisory Council (1964-1965); Secretary General of the National Education Council (1965); and four-term representative of the People's Consultative Assembly. He was active in the Golkar Party between 1979 until 1988 as a member of the Central Board in various capacities.

He wrote his Political Memoir, Shades of Grey, in 2013, and his contributions for 30 years at The Jakarta Post, Testimony of Changes, in 2017.

## **TETSUYA WATANABE**

VICE PRESIDENT
RESEARCH INSTITUTE OF ECONOMY, TRADE AND INDUSTRY





# STEPHEN WATSON

DIRECTOR
PACIFIC FUTURE FORUM





Tetsuya Watanabe is Vice President at the Research Institute of Economy, Trade and Industry (RIETI) and Visiting Professor at Graduate School of Public Policy, the University of Tokyo. He hosts the RIETI Global Intelligence Series, in which he discusses the geopolitical tensions, global trade, climate change, digital transformation and regional integration in Asia with experts from the US, the EU and Asia.

Tetsuya joined RIETI in 2020 after over three decades as a trade policy maker and negotiator in the Ministry of Economy, Trade and Industry(METI), where he served as Director General for the Trade Policy. At METI he worked on a wide range of bilateral, regional and multilateral trade negotiations and initiatives, including the WTO Joint Statement Initiatives on E-Commerce, the Trilateral Trade Ministers Meetings, RCEP, the Japan-US Trade Agreement and the Japan-UK Comprehensive Economic Partnership Agreement. Tetsuya also served as the Chief Counsellor at the Government Headquarter for the TPP at the Cabinet Secretariat. Recently, Tetsuya co-authored policy briefs including "Getting America Back in the Game: A Multilateral Perspective" and "Asia Pacific Digital Economy Governance". He lectures at the University of Tokyo on "Exploring a new global governance in the changing geopolitical dynamics".

Stephen is an Honorary Commodore in the Royal Navy and helped conceive the Atlantic Future Forum, first staged on board HMS Queen Elizabeth in New York Harbour in 2018. Stephen is Chief Executive of the UK based CTN Group, an independent media and communications agency working with global businesses, governments and international organisations. He is a former journalist and BBC News producer and has been a communications advisor to 10 Downing Street.

# **DR RUTH WISEMAN**

HEAD OF OCEANIA AND MYANMAR DEPARTMENT FCDO





Dr Ruth Wiseman has been Head of Oceania and Myanmar Department in the Foreign, Commonwealth and Development Office since September 2021. Previously she was Deputy Head of the Embassy in Sarajevo (2018-2021), and before that was in Canberra, Australia, where she headed up the Foreign and Security Policy Team at the British High Commission, and previously was Head of the External Team in the Iran Department of the Foreign and Commonwealth Office. Prior to joining the FCDO, Ruth worked in four other government departments including as a Senior Analyst in the Prime Minister's Delivery Unit of the Cabinet Office. There she was responsible for developing innovative methods to improve delivery across a number of policy areas such as immigration, crime and transport. Prior to joining the Civil Service, Ruth undertook her PhD research at the University of Sheffield.

# LAB SPEAKERS

SIMON BEST	HEAD OF INNOVATION AIRBUS DEFENCE & SPACE
HUGH EATON OBE	VICE PRESIDENT WORLDWIDE GOVERNMENT, MICROSOFT
MIKE GOULET	<b>DIRECTOR</b> PWC STRATEGY
ANGELA HEISE	CORPORATE VICE PRESIDENT DEFENSE & INTELLIGENCE, MICROSOFT
ANGUS MACGREGOR-MILLAR	GENERAL MANAGER WORLDWIDE DEFENSE & INTELLIGENCE, MICROSOFT
ROSER ROCA TOHA	HEAD OF UAS PRODUCT MARKETING AIRBUS DEFENCE & SPACE
TONY TONER	KEY ACCOUNT MANAGER MILITARY AIR AIRBUS DEFENCE & SPACE

# **SPOTLIGHT SPEAKERS**

DR. WILLIAM CHAPPELL	CHIEF TECHNOLOGY OFFICER AZURE GLOBAL, MICROSOFT
ROB CLIFFORD	HEAD OF DATA, NAVAL SHIPS BAE SYSTEMS
PAUL FEENAN	CHIEF REVENUE OFFICER ARQIT
RICHARD FRANKLIN	UK MD AIRBUS DEFENCE & SPACE

# **SPOTLIGHT SPEAKERS**

PETER GRIFFITHS	GLOBAL HEAD DEFENCE & NATIONAL SECURITY KPMG
JACOB HACKER	AUSTRALIAN SPACE INDUSTRY ACCOUNT LEAD KMPG
JACOB JOHNSON	<b>DIRECTOR</b> ISR & UAS PROGRAMS, LOCKHEED MARTIN AERONAUTICS
CHAD JONES	SUPPLY CHAIN & OPERATIONS SUBJECT MATTER PROFESSIONA KPMG
JASON KENNEDY	VP ENGINEERING IMPROBABLE
PAUL LIVINGSTON	CHIEF EXECUTIVE LOCKHEED MARTIN
REAR ADMIRAL (RET'D) MIKE MANAZIR	INTERIM VP GLOBAL SALES AND MARKETING BOEING DEFENSE, SPACE AND SECURITY
SHAREEF MAUND	<b>DIRECTOR, DEFENCE CONSULTING</b> KPMG
DARREN NICE	HEAD OF DIGITAL SERVICES, MARITIME SERVICES BAE SYSTEMS
CATHY O'CARROLL MSC, BSC, MRAES	GLOBAL CAMPAIGN DIRECTOR FOR TEST AND EVALUATION QINETIQ
AIR VICE-MARSHAL ROCKY ROCHELLE CB OBE DFC MA RAF FIKE	CHIEF OPERATING OFFICER ARQIT
MIKE SEWART	GROUP CTO QINETIQ
ROLAND SONNENBERG	PWC UK AEROSPACE AND DEFENCE LEADER PWC
SCOTT THOMPSON	PWC GLOBAL AEROSPACE AND DEFENCE LEADER PWC

