Speaker Biographies

**Brigadier James Bowder OBE** commissioned into the Grenadier Guards in 1996 and served at regimental duty until 2003. This included two years as the Adjutant of the 1st Battalion as well as three operational tours of Northern Ireland. In 2003 he moved to the MOD to work as the Assistant MA to ACGS (the then Maj Gen David Richards), and in 2004-5 attended ICSC(L) at Shrivenham. Upon the course’s conclusion he served in the Directorate of Joint Commitments (now known as the Operations Directorate) in the Ministry of Defence as an SO2 supporting the strategic conduct of operations in Iraq and Afghanistan. Company command followed in 1st Battalion Grenadier Guards and included an Afghanistan tour in 2007.

He then served as Chief of Staff of 11th Light Brigade during the closing months of their Adaptive Foundation progression, and subsequently on Mission Specific Training and Op HERRICK 11 as Chief of Staff of Task Force Helmand. After ACSC 14 he commanded 1st Battalion Grenadier Guards between 2011 and 2013. This included eight months commanding a multinational Battle Group in Helmand on Op HERRICK 15 and 16. Between 2013 and 2014 he served as Military Assistant to Commander Land Forces.

Appointed to the post of Colonel Strategy on the Army’s General Staff upon promotion to Colonel in 2014, he founded and then led the Chief of the General Staff’s Initiatives Group based in Andover and London. After attending the Higher Command and Staff Course he was promoted and selected to command 1st Intelligence, Surveillance and Reconnaissance Brigade in June 2016.

**Wing Commander Brown** is head of the Cyber Group at the Air Warfare Centre, RAF Waddington, responsible RAF Cyber Concepts and Doctrine, Test and Evaluation, and providing support to Air and Joint Force Cyber Group exercise programmes. His previous tours include Air Command, where he developed the RAF Cyber Protect Teams Concept of Operations; and Defence Intelligence, where he was responsible for Airborne Electronic Warfare technical intelligence.

**Mike Dyer** joined the Royal Navy in 1987 and served mostly in submarines and in Joint C4ISR appointments. He held engineering charge in HMS TRAFALGAR on operations, was a FOST Sea Trainer and helped design the ASTUTE Class submarine. In his final appointment he was the Ministry of Defence’s J6, acting as the senior user for satellite communications, electromagnetic spectrum, cryptography, cyber defence and command and control systems across all 3 Armed Services. Part of the team that set up Joint Forces Command C4ISR Function, he developed the C2 arrangements for Cyber operations.

Since leaving the military, he has successfully established two small businesses deploying advanced ICT technologies for business innovation, while enhancing security.

He holds a BEng in Electrical and Electronic Engineering from Glasgow University and an MSc in Design of Information Systems from Cranfield University. He is a Professional Engineering Reviewer for the Institute of Engineering and Technology.
**Graham Fairclough** is a former British Army officer who retired in 2013 to join the DPhil Cyber Security programme at the University of Oxford. During his 29-year career he served in a range of intelligence, counter intelligence and security appointments at the tactical to strategic levels of operation. His DPhil research concerns the operationalisation of cyber security strategy at the strategic level and the mechanisms through which states achieve effect in the cyber domain. He also considers the implications for the military of operating within a contested cyber environment, the production of intelligence in the cyber age and how cyber security events are understood and evaluated by decision makers.

Graham possesses a Bachelor of Science degree in Politics and Economics, a Master of Science degree in Knowledge Management Systems from Cranfield University and a Master of Arts degree in Defence Studies from King’s College, London.

Graham is a Research Associate with the Changing Character of War Programme based at Oxford, to which he provides cyber security input on the future nature of warfare. Additionally, he provides support to the UK Ministry of Defence and NATO on operational cyber matters through participation in a number of forums and future capability development programmes.

**Simon Fovargue MBE** is the Vice President of DXC Technology UK Defence and the CEO of the ATLAS Consortium. Defence is a strategic business for DXC Technology and the Ministry of Defence’s largest ICT partner. Simon is responsible for the business p&l, staff, strategy, operational performance and development of all DXC and ATLAS defence contracts.

Since joining HP in 2006, Simon has held a number of account executive and general management appointments. Prior to his current appointment in 2014, Simon was the Account Executive and General Manager responsible for HP’s global business with BP. This comprised hosting and data centre services, managed network and telecoms services, digital field infrastructure, high performance computing, applications and payroll services. Simon’s early career was with EDS and then HP where he specialised in defence, leading HP’s business with the Ministry of Defence’s Front Line Commands including command and control, defence recruiting and operationally deployed ICT systems.

Before joining HP, Simon served 19 years as an infantry officer in the British Army, which included extensive operational experience. He attended the Advanced Command and Staff Course and was awarded the MBE for his leadership on operations. Simon is a Business Studies graduate from the University of Huddersfield and has an MBA from Cranfield University. He is married and lives with his family in Wiltshire.
Colonel Ian Hargreaves ran his own technology business before joining the British Army. His recent military career has alternated between command and staff appointments. At staff this has included the Ministry of Defence Special Projects Equipment Directorate and the Special Projects Liaison Staff in the Ministry of Defence Operations Directorate. He has served operationally in Northern Ireland, the Balkans and Afghanistan. During his tenure from 2013 to 2016 as Commanding Officer of 2 Signal Regiment, the unit was committed to more than 30 operations spanning four continents and was awarded the 2015 Firmin Sword of Peace. Colonel Hargreaves’ current appointment in Army HQ is to develop and deliver the Army’s Cyber Electromagnetic Activity (CEMA) programme.

Colonel Hargreaves is a technical officer and Chartered Engineer with a deep interest in leadership and motivation. He holds a BEng in Communications and Information Systems, an MSc in Defence Technology, an MA in Defence Studies and a PG Dip in Leadership. His areas of research for each degree ranged from exploiting neural networks for data mining, the psychology of war crimes and countering religiously motivated terrorism.

Major General James Hockenhull OBE was commissioned into the Intelligence Corps in 1986 after reading Politics at the University of York on a University Cadetship. His early postings were as a platoon commander with KORBR in Northern Ireland and in intelligence appointments in the UK, Cyprus and Berlin.

Between 1991 and 2003 he served for eight years on operations over three tours in Joint Support Group (Northern Ireland) as Detachment and then Company Commander and finally as Commanding Officer. These tours were separated by attendance at the last Army Command and Staff College course and a tour in the Ministry of Defence as SO2 Long Term Plans in Army Resources and Plans. He was posted in 2003 as the British Exchange Instructor at the United States Command and General Staff College in Leavenworth, Kansas; this tour included 6 months teaching at the Naval Postgraduate School in Monterey, California. In December 2005 he deployed to Headquarters Multi-National Force Iraq (HQ MNF-I) as Chief Campaign Plans and wrote the 2006 HQ MNF-I Campaign Plan and Campaign Assessment.

Returning to the Ministry of Defence as Deputy Director Force Development in August 2006 he was responsible for tri-service future force structure planning. On completion of the Higher Command and Staff Course in early 2008 he was Chief Plans HQ ARRC and subsequently deployed to Afghanistan. In 2009 he promoted to Brigadier and assumed the appointment of Director ISTAR at Headquarters Land Forces, which later developed into Head Information Superiority. In September 2011 he returned to the Ministry of Defence as Head Military Strategic Planning and in June 2012 he promoted to Major General and deployed to Kabul as Director of the Ministry of Defence Advisory Group. After a 3-month spell in late-2014 as Deputy Chief of Defence Intelligence (covering this gapped civilian 2 Star billet as incumbents changed over) he took up post as Director Cyber, Intelligence and Information Integration (DCI3) in March 2015. Honours and awards from his operational tours include the MBE, QCVS, OBE and the Bronze Star.
Ewan Lawson is Senior Research Fellow for Military Influence at the Royal United Services Institute. He researches a range of subjects including strategy and cross-government working, military influence and information operations, law of armed conflict and war crimes, conflict in Africa and cybersecurity. He also oversees conferences, meetings and lectures in these areas.

He was previously a Royal Air Force officer, initially as a policing and security specialist but in more recent years in a range of joint warfare appointments. Since graduating from the UK Advanced Command and Staff Course, his experience has included tours as a joint operational planner, as the commanding officer of the UK Psychological Operations Group, as military faculty at both the UK and Kuwait Staff Colleges and as the first Defence Attaché at the British Embassy in South Sudan. His most recent experience was within Joint Forces Command with responsibility for the development of cyber warfare capabilities.

Major General (Retd) Uzi (Azriel) Moscovici is the former head of the J6/C4I Directorate of the Israel Defence Force, a post he held from 2011 to 2015.

He was born in Israel in 1964 and was drafted into the Armoured Corps in 1982. Most of his primary posts as an officer in the IDF were held in the Armoured Corps, where he held several command and operational posts. Within the Armoured Corps he served as a Battalion Commander, Commander of a Brigade and later Commander of the Division itself. He was also the Operations Officer in the Central Command.

In 2004 he was Promoted to the rank of Brigadier General and appointed as Commander of the Reserved Armoured Division in the Central Command. The following year he was appointed as Commander of the National Ground Forces Training Center and Head of the Reserved Armoured Division in the Southern Command. In 2007 he was appointed Commander of the "Jordan Valley" Armoured Division in the Central Command.

In 2011 he was promoted to rank of Major General and appointed as the Head of J6/C4I the Directorate where the IDF Cyber Defense Division, IDF IT Division and IDF Signal Corps were under his direct command.

Major General (Retd) Moscovici holds a a Bachelor of Science in Aeronautical Engineering from the Technion – Israel Institute of Technology, a Master’s in Business Administration from the Israeli Branch of New York University and a Master’s in Strategic Studies from the US Army War College.

Dr Peter Roberts is Director of Military Sciences at the Royal United Services Institute, having been the Senior Research Fellow for Sea Power and C4ISR since 2014. He researches and publishes on a range of subjects from strategy and philosophy, Sea Power, Military doctrine, Command and Control, Maritime Studies and Naval Weapons Systems, ISR, Military Education and Military use of Cyber Warfare. He regularly provides advice for both UK and foreign governments on these subjects.
Previously, Peter was a career Warfare Officer in the Royal Navy, serving as both a Commanding Officer, National Military Representative and in a variety of roles with all three branches of the British Armed forces, the US Coast Guard, US Navy, US Marine Corps and intelligence services from a variety of other nations. He served as chairman for several NATO working groups and 5 Eyes Maritime tactics symposia. Whilst the latter part of his career was spent advising foreign governments on strategy and contemporary warfare, his most recent military experience was within Defence Management and Procurement with responsibility for Military Cyber Warfare (the UK National Offensive Cyber Programme), Information Operations, Human and Signals Intelligence, and Maritime ISTAR Collection.

His military career included service in Hong Kong, the Baltic, Kenya, the Former Republic of Yugoslavia, Iraq, South Africa, Pakistan and Oman, interspersed with deployments in the GIUK gap and the Persian Gulf. He was the UK national representative at Joint Inter Agency Task Force (South), responsible for countering cocaine and nefarious trade coming from South America to Europe between 2010-2012.

Peter has a Masters degree in Defence Studies and a doctorate in politics and modern history. He is a Visiting Lecturer in Strategy at the Portsmouth Business School at the University of Portsmouth and is a Fellow of the Chartered Management Institute.

Dr Igor Sutyagin’s research is concerned with US-Russian relations, strategic armaments developments and broader nuclear arms control, anti-ballistic missile defence systems.

Prior to joining RUSI, Dr Sutyagin completed his PhD in History of Foreign Policy and International Relations at the Moscow Institute for the USA and Canada Studies (Russian Academy of Science), which was supervised by Professor Andrey Kokoshin. His thesis explored the US Navy’s role in carrying out the US foreign policy tasks throughout the 1970s and 1980s.

He has written extensively on nuclear and conventional arms control, including naval arms control, safety and security of nuclear weapons, modernization and development of modern armaments as well as issues associated with ABM systems and their stabilising influence upon the US-Russian relationship. He has authored over 100 articles and booklets published in the Soviet Union/Russia, the United States, United Kingdom, Germany and Switzerland. He is also the co-author of the book Russian Strategic Nuclear Weapons. Igor worked at the Institute of US and Canadian Studies for twelve years at the Political-Military Studies Department, where he held the position of the head of section for US military-technical and military-economy policy. Igor has a PhD in History of Foreign Policy and International Relations (1995) from the Institute for US and Canadian Studies in Moscow and a Master’s Degree in Radio-physics and Electronics from the Physics Department, Moscow State University (1988).