

Global Urban Air Summit

3-4 September 2019

SHAPING THE FUTURE OF AIR TRAVEL



ORGANISED BY


FARNBOROUGH
INTERNATIONAL

Global Urban Air Summit 2019



Welcome

As Minister for Business and Industry I am delighted to welcome you to the first Global Urban Air Summit, bringing together some of the world's most innovative manufacturing businesses with investors, regulators and representatives of Government.

The cutting-edge developing future technologies that will be discussed here in Farnborough have the potential to offer ground-breaking solutions to some of the complex transport challenges faced by 21st century economies.

Turning these technologies from design concepts to commercial realities that will bring new forms of air transport to urban environments around the world will require collaboration and resourcefulness across the country.

Supporting Industry to deliver on the unlimited potential within UK aerospace is at the heart of the Government's Industrial Strategy. That is why we signed the Aerospace Sector Deal and continue to work in partnership with companies of all sizes to deliver growth and prosperity across the UK.

Aerospace is an industry that truly unites the globe, it is important that the decisions made and progress achieved with next generation flight benefits from early international cooperation.

The UK is very proud of its contribution to the global aerospace sector and we are delighted to host this strategically important summit.

I hope you enjoy the Global Urban Air Summit and look forward to future events in this unique and exciting field.

Nadim Zahawi

Minister for Business and Industry



Gareth Rogers
Chief Executive Officer,
Farnborough International

Farnborough is the birthplace of British aviation and has remained at the forefront of aerospace ingenuity ever since. From the invention of carbon fibre, which revolutionised manufacturing, through to the testing and debut of Concorde; modern flight has been shaped by much of what has been created, explored and demonstrated in this unassuming Hampshire town.

Given this heritage, Farnborough is the obvious home for a conference dedicated to future flight and achieving a seismic shift in air travel. This is an incredibly exciting time to be in aerospace. Everyone at this conference has walked in the footsteps of the early Farnborough pioneers - from Samuel Cody who was the first to achieve powered flight, through to Sir Frank Whittle creator of the jet engine – and now, we tread a new path.

For us at Farnborough International, the challenge is not simply creating a platform to showcase urban air innovation, but to lead the discussion about how this new way to fly can operate. Industry cannot be successful in isolation, the technology alone – as brilliant as it is – can’t fundamentally change how we fly. Our challenge has been to create a conference that engages the people and organisations who will make a strategic contribution to bringing new flight to life.

This conference is the first time that international regulators will present their perspective on urban air mobility; representatives in air traffic management are to outline the realities of creating an operational environment capable of hosting the shift towards new transport. We will hear about the infrastructure required to sustain urban air mobility, as well as how it can be made financially successful.

The next two days will see experts from parallel industries, as well as leaders from organisations large and small who I’m sure will one day be celebrated for their valuable contribution to this industry. At the heart of everything will be the technology and innovation, and the challenges and opportunities shaping its emergence.

We are delighted you have joined us on the start of our own journey, for Farnborough International this conference marks the start of our growth in support of this exciting, fascinating and revolutionary industry.

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Conference Chair



Image from Jillie Bushell Associates

Spencer Kelly

Technology TV Presenter

Spencer is a respected technology presenter and computer scientist, and as part of a life-long love affair with science and technology, graduated with a double first in Computer Science from Cambridge University. He has recently been awarded an Honorary Doctorate of Technology by the University of Coventry.

Supported by:



Speakers



**Bob Pearce**

Deputy Associate Administrator, NASA

Bob Pearce leads the aeronautics research mission strategic planning to guide the conduct of NASA's aeronautics research and technology programs, as well as leading Aeronautic Research Mission Development portfolio planning and assessments, mission directorate budget development and approval processes, and reviews and evaluates all of NASA's aeronautics research mission programs for strategic progress and relevance.

**Ito Takanori**

Deputy Director, Manufacturing Industries Bureau, Future Air Mobility Office, Ministry of Economy, Trade & Industry, Japan

Ito Takanori is the Deputy Director of Future Air Mobility Office in Japan's Ministry of Economy, Trade and Industry. He manages public-private conference for Air Transportation Revolution with the Ministry of Land, Infrastructure and Transport where a number of stakeholders discuss topics including regulations, standards and social acceptance based on business model or technology development to realise UAS in Japan.

**Dr Pippa Malmgren**

Co-Founder, H Robotics & Former Presidential Advisor

Dr Pippa Malmgren is the co-founder of H Robotics, makers of a rugged, modular, deep data drone and aerial intelligence system called HiSight. She is a former Economic Advisor to President George W. Bush and served on the Board of the UK's DIT until June 2019. Dr Malmgren is the bestselling author of *The Leadership Lab* (Business Book of the Year 2019); one of the Fifty Top Inspiring Women in the UK, and one of the Top 100 in Tech.



Harini Kulatunga

Vice President, Head of Solutions, Unmanned Aerial Mobility at Airbus,
Head of UAM UK

Harini Kulatunga is Head of Solutions in Airbus' Urban Air Mobility department, responsible for steering the development of UAM customer solutions. Previously, Harini led the development of emerging technologies and partner ecosystems for unmanned systems within Airbus' Unmanned Aerial Systems program line. Earlier in her career, Harini was part of the office of the Chief Technology Officer at BP, developing expertise in digital technologies for the oil and gas industry.



James Cranswick

Director Aviation, Deloitte

James Cranswick is Director of Aviation at Deloitte, helping clients to understand and maximise the benefits and mitigate the risks posed by unmanned aviation. Previously, as Head of UTM and Drone programs at NATS, James developed NATS strategy for UAS integration in UK airspace and represented NATS at UK and EU governmental departments and institutional bodies on the emerging UTM industry. Highlights included the delivery of Operation Zenith and the Airspace User Portal, the first stages of unmanned traffic management in the UK.



Guillaume Thibault

Partner, Transportation Practice of Oliver Wyman and
OW Forum Fellow for Mobility

Guillaume Thibault is a Paris-based Partner at Oliver Wyman. He is an expert in strategy, offer design, and the launch of new businesses within the transportation, services, automotive, and manufacturing industries. More recently, Guillaume has focused on the analysis and deployment of disruptive digital business models. Additionally, he serves as a fellow and co-leader of the New Mobility initiative within the Oliver Wyman Forum. Guillaume previously worked for Merrill Lynch and Forrester Research.



Tim Johnson

Policy Director, Civil Aviation Authority

Tim Johnson is Policy Director for the UK's Civil Aviation Authority (CAA), responsible for driving forward the CAA's approach to major policy issues including EU Exit, innovation, airspace modernisation and consumer policy. Prior to joining the CAA in January 2014, he was Head of Strategy and latterly Head of Regulation at NATS. Tim's earlier career was spent in UK Government and included posts at HM Treasury, the Shareholder Executive, and the Ministry of Defence.



Jay Merkle

Executive Director, Office of Unmanned Aircraft Systems,
US Federal Aviation Administration

Peter "Jay" Merkle is Executive Director of the US' Federal Aviation Administration's Unmanned Air Craft Systems Integration Office (AUS), facilitating the FAA's safe integration of drones into the National Airspace System. Before joining AUS, Jay served as Deputy Vice President of the Program Management Organization within the Air Traffic Organization where he worked with FAA operations and aviation users to ensure globally interoperable solutions for NextGen. Jay was also a key architect of the Low Altitude Authorization and Notification Capability program.



François Sillion

Director, Advanced Technologies Research Centre (Paris), Uber

François Sillion is the director of Uber's Advanced Technologies Centre in Paris, focusing on applications to air transport (Uber Elevate). The Centre brings together scientists and engineers working on topics that impact Elevate's vision of future air transport, including artificial intelligence; airspace management; sensing & perception; autonomous control; energy management, and communication networks. François Sillion has held research positions at Inria, CNRS, Cornell University, M.I.T, Ecole Polytechnique and Microsoft research, and senior executive positions at Inria.



Darrell Swanson

Director, Swanson Aviation

Darrell Swanson is a subject matter expert on electric aviation and how it will lead to a future of distributed aviation. His knowledge encompasses both electric fixed wing and distributed electric propulsion VTOL aircraft infrastructure requirements, as well as insights into how the industry could evolve to provide a truly distributed aviation system. Darrell is an advisor to the UAM panel of UK trade association ADS Group, and a board member of the British Aviation Group.



Dr Anita Sengupta

Co-Founder & Chief Product Officer, Airspace Experience Technologies

Dr Anita Sengupta is an aerospace engineer, rocket scientist, pilot, and veteran of the space program. She worked for NASA for 16 years where her engineering projects included her PhD research on developing the ion propulsion system for the Dawn Mission. After leaving NASA, Dr Sengupta led the development of the hyperloop as senior vice president of engineering systems at Virgin Hyperloop, a technology that can enable ground based travel in excess of airline speed.



Ricky Sandhu

Founder (Architect), Six Miles Across London

Ricky Sandhu is Founder + Director of small. an architectural + design consultancy focussed on innovation in the built environment, and enabling great + combined intellectual efforts instead of simple, uncoordinated ones to ensure a brighter, healthier + more sustainable future. Ricky has more than 15 years' experience at leading architectural design practice Foster + Partners, where, as one of the youngest shareholding Partners, he led some of the practices most complex and pioneering projects.

**Duncan Walker**

Co-Founder & Managing Director, SkyPorts Ltd

Duncan Walker is a Co-Founder and Managing Director of Skyports Limited. Duncan founded Skyports in 2018 to capture value from the emerging passenger and cargo drone market. He has 20 years' commercial real estate experience and until January 2018 was a Main Board Director at Helical plc, a FTSE listed investment and development company. At Helical, Duncan was responsible for a £1bn investment portfolio of properties.

**Mildred Troegeler**

Director, Global Aerospace Integration, Boeing NeXt

Mildred Troegeler is the Director of Global Airspace Integration for Boeing NeXt, a business division building the ecosystem that will define the future of urban, regional and global mobility. She leads the airspace integration regulatory strategy across the company and works with international regulators to enable the safe integration of autonomous systems into national airspace. Mildred joined Boeing in 2015 as Director, Technical & Regulatory Affairs – Europe, responsible for representing Boeing interests with European institutions including EASA and the European Commission.

**Pawan Srivastava**

Director, McFly Aero Infrastructure Ltd

Pawan Srivastava is a prolific and successful entrepreneur, with 15 years' experience managing and investing in businesses across multiple sectors in Africa, Asia, Europe and the US. He has established a strong reputation for recognising and developing new opportunities, building business networks, and mentoring start-ups.

**Nikhil Anand**

Founding Partner, The Aviary Project

Nikhil Anand is one of the Founding Partners of The Aviary Project, an open community dedicated to supporting the future of Aerial Mobility. In November 2018, The Aviary Project hosted the first UAM conference in the UK and since then his team has been working on a variety of projects to develop business models and network design strategies for UAM. Nikhil has been developing eVTOL technologies for more than five years and was funded by Entrepreneur First to develop a cargo drone concept in 2016.

**Filip Verhaeghe**

Chief Executive Officer, (UN)MANNED

Filip Verhaeghe has been founder, chairman and CEO of (UN)MANNED since 2014. He works with major companies on avionics certification automation for manned aircraft and unmanned aircraft instruments, and with his team is working on instruments for a large type-1 rated UAV flying in non-segregated airspace over Europe. A particular focus of Filip is combining DAL A airworthiness certification with intelligent decision making. With Airbus, Filip and his team are working on DAL A certifiable computer vision for automated VFR landing on normal runways.

**Ken Stewart**

CEO, AiRXOS, part of GE Aviation

Ken Stewart serves as AiRXOS' CEO, joining the organisation in 2017 as Executive Product Manager, Digital. He brings more than 25-years of technology industry leadership, telecom expertise, start-up innovation, and executive management experience. Ken Stewart manages corporate direction and strategy at AiRXOS, directing company activity in technology, sales, marketing, alliances and channels, and support. In 2018, Ken was recognised as one of the 'Top 7 Drone Visionaries' by Commercial UAV News.



Ali Husain

Chief Software Architect, SkyGrid

Ali Husain, Chief Software Architect at SkyGrid, has more than ten years industry experience in building various product platforms ranging from developing reinforcement learning models; drone swarm software; ERP solutions, to AI platforms. At SkyGrid, Ali is responsible for the development and execution of all software capabilities. He is a Director of Labs at SparkCognition, a leading AI company. Ali was previously Director of Solutions at SparkCognition, responsible for building out the company's natural language platform, DeepNLP. Ali led the development of Project Ares, a cyber training platform, winner of the 2016 Edison Award.



Anthony DiNota

Vice President, Oliver Wyman CAVOK

Anthony DiNota is a Vice President at Oliver Wyman CAVOK with 35 years of aviation experience in both fixed wing and rotorcraft markets. With a passion for safety and quality, he advises clients across a wide range of strategic and operational functions and is known for reducing operating costs, increasing customer satisfaction, and building top-line sales growth. Prior to joining the firm, he held numerous C-suite positions at airlines and helicopter operators and global aftermarket MRO service providers. Anthony holds an MBA; a Bachelor of Science and Technology in Aviation; and has completed executive management and LEAN certifications. He is also a FAA certified Aviation Maintenance Technician.



Jon Round

Head of Airspace, ATM and Aerodromes, Civil Aviation Authority

Jon Round is Head of Airspace, Air Traffic Management & Aerodromes for the CAA. He joined in 2012 as Oversight Programme Manager, a role which developed into Safety Programme Manager within the Performance Based Regulation programme. In November 2015 he became Head of PBR and from March 2017 moved to his current role. Jon started his career as a Royal Navy Sea King helicopter pilot. In the 1980's he transitioned into commercial aviation, flying fixed wing aircraft with Air Europe, Air 2000, and British Airways. At BA, Jon held the position of Chief Pilot, Gatwick, before becoming General Manager, BA Flight Operations.

**Andrew Sage**

Head of Unmanned Traffic Management, NATS

Andrew Sage is Head of Unmanned Traffic Management for NATS and is responsible for the co-ordination of all of NATS' activities in respect of drones. This includes safety and awareness campaigns, integration of UTM into day-to-day operations, and supporting beyond visual line of sight (BVLOS) operators as they seek to integrate into all classes of UK airspace. Andrew has been with NATS since 2013, having spent 15 years as a director at independent aviation consultancy Helios Technology (now Egis).

**Mike Gadd**

Head of International Regulatory Affairs, Altitude Angel

Mike Gadd has almost 40 years' experience in aviation with 22 years in regulatory roles with the CAA and EASA. He has held lead roles in UAS, cyber, spaceplane and aircraft certification and safety programs, and held chairmanship positions in international and national policy, rulemaking and standardisation activities, including ICAO and EUROCAE. His experience of regulatory systems and processes and their application is now focused on ensuring the safe, efficient and equitable integration of unmanned and automated aircraft into all classes of airspace.

**Luca Leone**

Task Force Consultant, Team Defence Information

Luca Leone is an independent Programme Manager, Business Development Consultant and Non-Executive Director. He started his career with Morgan Advanced Materials, and has since gone on to specialise in programme management and business support to aerospace, defence and technology start-ups and high growth potential businesses. Luca is currently a Task Force Consultant with Team Defence Information, working to deepen MoD and defence industry collaboration. Luca has previously been the lead author of the International Defence Market Strategy, chair of the Defence Export Group and is the current Urban Air Mobility Finance and Investment Lead on behalf of ADS Group.



Colonel Eddie Corrigan

Head of Future Concepts, Defence Logistics (DefLogs),
Ministry of Defence (UK Gov)

Colonel Eddie Corrigan is Assistant Head Concepts and Force Development for the UK's MoD, responsible for a diverse team driving logistics strategy, doctrine and force development. He joined the British Army in 1986 serving on many operations including the first Gulf War, Northern Ireland, Bosnia, Kosovo, Iraq, and Kuwait. Additionally, Col. Eddie supported Future Army Structures and was the planning lead for SDSR 10 and the interoperability agenda. In addition to operations, Col. Eddie is an experienced capability planner, having introduced the OshKosh Heavy Equipment Transporter Capability into full service.



Neil Cloughley

Managing Director, Faradair Aerospace Ltd.

Neil Cloughley is Managing Director of Faradair® Aerospace Limited. An early champion of hybrid/electric flight within the new Urban/Regional Air Mobility sector, Faradair® is a multi-award winning business which has developed the BEHA (Bio Electric Hybrid Aircraft): an aircraft that could transform regional and non-civilian flight opportunity. Neil is an experienced aviation industry executive and entrepreneur having spent more than 15 years working with major aviation brands and financial institutions. He is a Government advisor on future flight policy including BEHA for military operations.



Peter Stockel

Autonomy Lead, Defence Science and Technology Laboratory
(DSTL, UK Gov)

Peter Stockel is Autonomy Lead for the UK's Defence Science and Technology Laboratory (DSTL) where he has held a number of senior roles in the management and delivery of R&D, research and strategic relationship management. Following the UK Government's 2015 Strategic Defence and Security Review (SDSR), Peter has led the delivery of defence and security challenges for Robotic and Autonomous Systems. He was awarded the MoD Chief Scientific Advisor's commendation for his contribution to the 2010 SDSR.



Arnaud Didey
Founder & CEO, Neoptera

Arnaud Didey is founder and CEO of Neoptera Aero, an organisation founded to develop a unique tail-sitting eVTOL with a tilting body, for public services and commercial air transportation. With 20 years' experience in the Aerospace industry, Arnaud has been trusted by major Spacecraft and Aircraft manufacturers including: Thales Alenia Space, Airbus, and Airbus Defence & Space, to provide expert consultancy on Spacecraft Propulsion Systems and More Electric Aircraft.



Maron Kristófersson
CEO, Aha.is

Maron Kristófersson is the CEO and co-founder of Aha, which builds online marketplace businesses with instant deliveries. The company's first marketplace is now the leading instant delivery marketplace for grocery, hot food and retail goods in Iceland. Aha is on the frontier of the energy transition in Iceland, undertaking deliveries only using electric cars or drones.



Marion Le Masson
Digital Product Manager for SOARIZON©, Thales UK

Marion Le Masson is the Digital Product Manager for SOARIZON® by Thales. Starting in the Thales Digital Factory team in Paris, she moved to England to continue the SOARIZON® journey. Marion's mission is to help create a digitally connected ecosystem of global drone capability to deliver data through safe and secure operations.

**Davis Hackenberg**

Advanced Air Mobility Project Manager,
Aeronautics Research Mission Directorate, NASA

Davis Hackenberg is the Advanced Air Mobility (AAM) Project Manager, serving the Aeronautics Research Mission Directorate (ARMD). He also serves as Strategic Advisor for Urban Air Mobility (UAM) to the ARMD Associate Administrator, undertaking his work from NASA Headquarters in Washington DC. Project Management duties for AAM include leading development and implementation of the UAM mission spanning all relevant ARMD project and centre research activities, the goal being to implement NASA's UAM investment strategy in a manner that accelerates UAM.

**Gwen Lighter**

CEO, GoFly

Gwen Lighter is the CEO and founder of GoFly. She leads a team of more than 3,500 innovators from over 100 countries creating a multitude of personal flying devices. Supported by Boeing, Pratt & Whitney, and in excess of 20 aerospace organisational partners, GoFly is catalysing the creation of jet packs, flying motorcycles, and personal flyers to make the dream of human flight a reality.

**Fabien Nestmann**

Head of Global Public Affairs, Volocopter

Fabien Nestmann is Head of Global Public Affairs for Volocopter where he works with legislators and cities to enable air taxi services globally. Previously, he was General Manager for Uber where he realised that innovation continues to challenge regulation and that cooperation is crucial for developing new mobility products and services. Before dedicating his work to the future of mobility, Fabien gained broad experience in the tech, consulting, and VC industries.



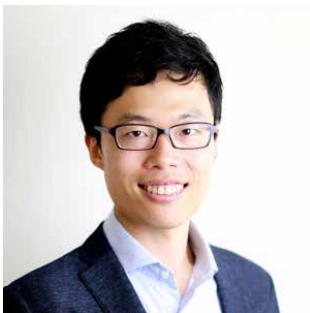
Ilya Khanykov
President, Bartini Inc.

Ilya Khanykov is the co-founder of McFly Infrastructure, a development company for the eVTOL ground infrastructure, and Bartini, an engineering company for the eVTOL aerial vehicle. Ilya is a serial entrepreneur and angel investor with corporate finance background. Areas of expertise include: innovation leadership, business architecture and investments, IoT and smart-cities.



Brett Peterson
Senior Design Engineer, Vertical Aerospace

Brett Peterson is a Senior Design Engineer at Vertical Aerospace focussing on the development of vehicle concepts to revolutionise how people fly, by making air travel personal, on-demand and carbon free. Brett has extensive experience in the defence, aerospace and automotive industries spanning across four continents. He has held conceptual design, research and management positions within the aerospace sector on business, commercial and military aircraft programs. He co-founded Bristol Aero to work alongside a team of exceptional engineers and provide the support they need to consistently deliver value to customers from a wide range of fields.



Tomohiro Fukuzawa
Chief Executive Officer, SkyDrive Inc., CARTIVATOR Member

Tomohiro Fukuzawa became Co-Representative Director of CARTIVATOR in 2014 and established SkyDrive Inc in 2018. He previously worked at Toyota Motor as part global procurement.



Dr Seyed Mohseni

CEO & Founder, Samad Aerospace

Dr Seyed Mohseni is a serial entrepreneur founding a number of successful businesses with his academic background in aerospace engineering design. He holds an MSc in aerospace propulsion (Cranfield University) as well as an MBA and doctorate in gas turbine technology (Cranfield University).



Frédéric Laugère

Innovation Services Lead, CAA

Frédéric Laugère is a Technology and Innovation Manager with 16 years' experience working with organisations to accelerate the development and commercialisation of innovative products and processes. He leads the CAA's Innovation Services team which manages the Innovation Gateway and the Regulatory Sandbox services, as part of the CAA Innovation Hub. The Innovation Gateway allows innovators to access information about existing regulation, seek guidance and find information on areas of complexity. The Regulatory Sandbox provides a framework to work with the CAA to trial innovative solutions in a safe environment, particularly those solutions that do not fit within the existing scope of regulations.



Stu Olden

Senior Commercial Manager, Williams Advanced Engineering

Stu Olden leads the development of the Aerospace, Defence and Emerging Markets for Williams Engineering. He has a wealth of technical, commercial and life experience, having served 26 years as a British Army engineer, and the last decade in industry as an engineering consultant and business developer in service and product delivery organisations. Stu has worked on a wide range of technology programmes across the value chain. He is a Chartered Engineer, a Project Management professional and a Fellow of the Institute of Leadership and Management.

**Thorsten Gröne**

CEO and Co-Founder, Cevotec GmbH

Thorsten Gröne is the Managing Director of Cevotec GmbH and responsible for business strategy and operations. As co-founder of the company, he acquired a deep expertise in automated composites processes early on. Prior to Cevotec, he worked as a strategy consultant for international clients in the chemical industry.

**Phil Whiffin** (BEng, MSc, MBA, CEng MIET)

Head of Advanced Propulsion Systems, WMG, University of Warwick

Phil Whiffin is head of the Advanced Propulsion Systems team at WMG. He has a wealth of experience in engineering across multiple transport sectors, with a strong focus in electrification, working in Automotive, Rail, Off-highway and Aerospace. Phil was part of the early team leading electrification studies at JLR, as well as product launch, research projects, powertrain control and safety critical teams during his 23 years there. Prior to WMG, Phil was Chief Electrical and Electronic Systems at JCB, leading the initial studies into electrification that have recently resulted in JCB's first electric excavator.

**Sir Brian Burridge**

Chief Executive Officer, Royal Aeronautical Society

Sir Brian Burridge became Chief Executive of the Royal Aeronautical Society in October 2018. His earlier career included ten years with Leonardo. During that time, he chaired two of the Group's businesses and held board positions in the trade association, ADS, and the Defence Growth Partnership. Sir Brian spent a full career as a pilot in the Royal Air Force holding a frontline command at every level in the Service, including the national joint command in the 2003 Iraq war.





Tommy Wilson

Drone Partnerships Manager, Flock

Tommy Wilson is the Drone Partnerships Manager at Flock, where he oversees the global partner network expansion. Prior to Flock, Tommy was Senior Project Director across a variety of B2B conference portfolios, driving innovation in the automotive, smart city and connected insurance spaces. Tommy has since joined the Flock team to deliver on their vision: to make the world a safer, smarter place.



Clive Lewis

Managing Partner, Achieving the Difference

Clive Lewis is Managing Partner of Achieving the Difference, a leading aerospace strategy practice with knowledge and an approach that enables dozens of blue chip industry clients to access and grow in aerospace. Additionally, Clive sits on the Aerospace Growth Partnership strategy working group and UK trade association, ADS Group's Urban Air Mobility Group for which he leads the Market Workstream.



Gary Cutts

Interim Challenge Director, Innovate UK

Gary Cutts has nearly 30 years' experience in the aerospace industry mainly working on a Civil and Defence propulsion system for Rolls-Royce. He has held engineering leadership positions across the product lifecycle covering technology acquisition, concept definition, development/certification and service management. He has held many global, executive leadership positions across the group including creating the System Design function and latterly leading the digital transformation of Engineering. Gary is experienced in business development, customer consultancy and services creation.

**David Debney**

Head of Technology, ATI

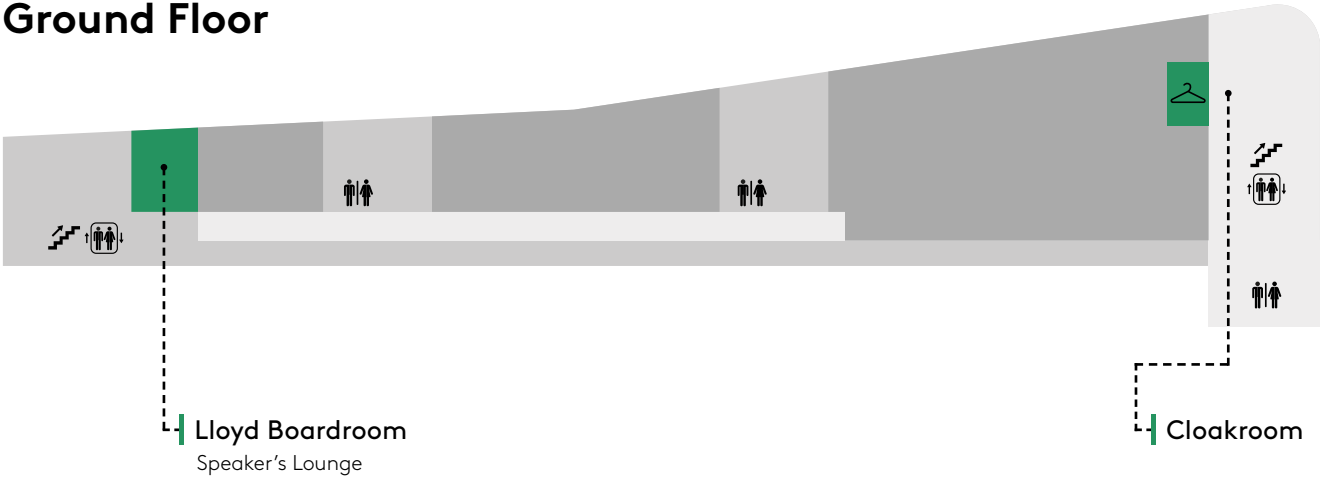
David Debney is the Head of Technology for Whole Aircraft at the Aerospace Technology Institute (ATI). He is responsible for whole aircraft technology assessment and represents the ATI in the development of the UK's Future Flight Challenge. Previously, David worked at Rolls-Royce as Chief of Future Aircraft Concepts, where he was responsible for developing concept designs for hybrid propulsion systems on aircraft of all sizes, including the Rolls-Royce eVTOL concept that was launched at the Farnborough International Airshow in 2018. His technical background is predominantly in development engineering and he has extensive experience in the certification, validation and testing of gas turbines.

Conference Floor Plan

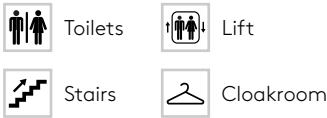
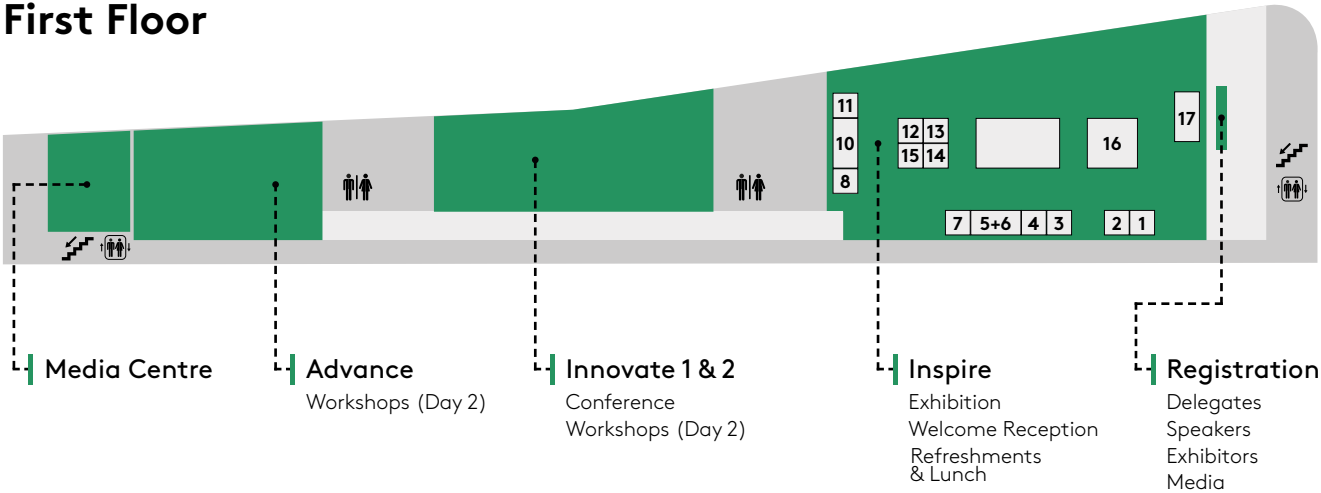
Exhibitors

1	Jetcopter	8	Aerospace Embedded Systems	15	Arup & SMALL
2	Aeromobil Technical Services	10	VRCO	16	Boeing Company
3	Samad Aerospace	11	ADS	17	Daedalean/UVR/aOrion
4	Clarendon Specialty Fasteners	12	Cranfield University		
5+6	Department for International Trade	13	Atkins		
7	Trackwise	14	Farnborough International Airshow		

Ground Floor



First Floor



LEADING URBAN AIR



Meet the world's Urban Air leaders at the 2020 Farnborough International Airshow.

Discover our participation options today.

farnboroughairshow.com

the future starts here

Exhibitors



ADS is the trade organisation that supports over 1000 UK businesses operating across the aerospace, defence, security and space sectors. Whether representing industry or driving forward innovation and growth, ADS is at the forefront of these activities. Our membership ranges from SMEs to global primes. Our 30+ Special Interest Groups includes one dedicated to Urban Air Mobility.



At AeroMobil Technical Services, we understand the challenges companies are facing to evaluate eVTOL for personal air transport. We have built strong expertise across the major building blocks for Personal Aerial Vehicles and Urban Air Mobility – vehicle, infrastructure, operations, business model. Over the last 10 years, we accumulated a depth of experience in critical areas related to the design and development of PAVs. We have built engineering and design capabilities around whole vehicle design and systems integration. Our technology and strategy partners are world-leading organisations, further enhancing our services and capabilities. We have already completed several projects in the last 12 months for leading automotive OEM and technology suppliers.



AES is a leading provider of safety critical hardware and software components. We design, develop and offer support for customized high-performance embedded solutions in the markets of aerospace and defense.

The ARUP logo is displayed in a large, black, serif font within a white square box.

Arup are an independent firm of designers, engineers, architects, planners, consultants and technical specialists working across every aspect of today's built environment.

The ATKINS logo features the word "ATKINS" in a bold, blue, sans-serif font, with the tagline "Member of the SNC-Lavalin Group" in a smaller, grey font below it.

Member of the SNC-Lavalin Group

SNC-Lavalin's Atkins business is one of the world's most respected design, engineering and project management consultancies. Atkins helps clients plan, design and enable major capital projects, and provides expert consultancy that covers the full project lifecycle. We build strong relationships by understanding the challenges that clients face, sharing their vision and helping them transform potential into reality. Our world-class expertise at scale delivers value and our depth and breadth of capabilities sets us apart from the competition.

The Boeing logo consists of a stylized blue and grey wing emblem above the word "BOEING" in a bold, blue, sans-serif font.

Boeing is transforming the way companies move goods, cargo and people to save time and solve for growing transportation challenges. The Boeing NeXt organization is laying the foundation for a next-generation mobility ecosystem in which autonomous and piloted vehicles can safely coexist. Uniting research and development in autonomous flight and advanced propulsion, Boeing and its partners are creating urban, regional and global transportation solutions for the future.

The Clarendon Specialty Fasteners logo features a red square with a white "C" inside, followed by the word "Clarendon" in a bold, black, sans-serif font.

Specialty Fasteners

Clarendon Specialty Fasteners is a leading distributor of aerospace fasteners with stocking facilities in Europe and the USA, specialising in the aircraft interiors market. We stock a comprehensive range of fully traceable aerospace fasteners and hardware across several aerospace standards including NAS, MS, AN, DIN, etc. as well as commercial products used in the assembly of seats and interior monuments. We offer bespoke added value services such as kitting, inspection and expertise in technical design & support. We also offer a unique Vendor Managed Inventory solution using RFID (Radio Frequency Identification) technology to manage our customers' inventory.



Cranfield is a specialist postgraduate university that is a global leader for education and transformational research in technology and management. We are home to many world-class, large-scale facilities which enhance our teaching and research. We are one of the few universities in the world to have its own airport – our global research airport offers a unique environment for transformational research. Our living laboratory is a testbed for transformative technologies and new approaches to deliver enhanced social, economic and environmental outcomes in urban, transport and infrastructure systems. We work closely with business, industry and governments around the world.



Daedalean was founded in 2016 by a team of engineers who earned their marks at companies like Google and SpaceX. Its team includes 20+ software engineers, as well as avionics specialists and pilots. Daedalean works with major eVTOL companies and leading aerospace manufacturers to specify, build, test and certify a fully autonomous sensor and autopilot system that can reliably and completely replace the human pilot. It has developed systems demonstrating crucial capabilities on a path to certification for airworthiness. Currently the company is working with EASA on an Innovation Partnership Contract to develop concepts of design assurance for neural networks.



Department for International Trade is the Government department that helps UK based companies succeed in an increasingly global economy. The range of expert services is tailored to the needs of individual businesses to maximise their international success. Companies can access free advice and practical support from International Trade Advisers (ITA) who can assist at all stages of a business's exporting journey. The Department for International Trade offers a range of activities to allow you to open up export markets and explore new opportunities. Promoting British trade and investment across the world and building the global appetite for British goods and services. Come and visit us at GUAS where you can speak with a local ITA.



The Farnborough International Airshow is the place where the entire aviation and aerospace industry gathers to learn, network and do business. Responsible for hosting some of the largest and most successful events in the ever-changing aviation sector, Farnborough International Airshow has established a reputation for providing an unrivalled platform for businesses of all sizes, from all tiers of industry, to showcase their latest innovations. Our industry insight and understanding of your business needs ensures that the show delivers leading content with leading platforms. The 2020 Farnborough International Airshow will deliver more opportunities and connections for our clients around the world.

JETCOPTER

JETcopter is the only urban VTOL powered with hybrid automotive motors that is capable to achieve 300 km/h and a distance of 1000 km. JETcopter, with its enclosed rotors is one of safest VTOL aircraft in the urban air environment.



Samad Aerospace Limited is a UK high-tech SME based in Cranfield, focused on the design, development and certification of a range of novel hybrid-electric vertical take-off and landing aircraft including Starling UAV, e-Starling, Starling Jet and HUMA as a response to the increasing global need for more electric and airport independent VTOL aircraft. VTOL capability will eliminate dependency on runways in current similar size business aircraft and drawbacks of helicopters, which are relatively low speed, low range, and low comfort, and also have high maintenance expenses. The hybrid/electric propulsion system makes Samad products environmentally friendly and cost effective.

small.

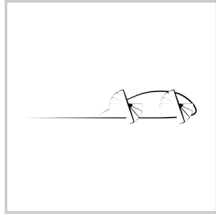
innovation in the built environment

Six Miles Across London Limited, small. is an agile, dynamic architectural + design consultancy that believes good design can improve the quality of life for everyone. small. offers a holistic + inclusive approach to design that brings together architects, urbanists, engineers, economists, designers, scientists, artists, civic leaders, environmentalists + stakeholders. An interdisciplinary task force that is needed to solve some of the environmental challenges our planet, our cities + our population face today and in the future.

TRACKWISE

CONNECTING TECHNOLOGY

Established in 1989, Trackwise is a UK – based manufacturer of specialist products using printed circuit technology. The Company has historically served the telecommunications and wider radio frequency community with antenna PCBs. However, a patented process innovation has extended Trackwises' capability to the globally unique manufacture of length unlimited multilayer flexible PCBs. Marketed as Improved Harness Technology™, in high value, mass-critical applications such as aerospace, boards of such length can be used as an alternative to traditional wiring harnesses, offering significant benefits in terms of reliability, repeatability and moreover in the reduction of space required and weight – up to 75% saving. Their planar nature also makes them entirely suited to embedding into composites enabling multi-functional structures.



Based in Derby and founded in 2016 by Mike Smith and Daniel Hayes, VRCO aims to become a leading sustainable zero emission aerospace manufacturer with the development of the NeoXcraft, a multi-modal electric Vertical Take-off and Landing (eVTOL) aircraft. The craft is uniquely designed to fly with high performance, to land and take off from water and to be extremely safe with a range of pilot assist capabilities. Human mobility is entering the age where flying short journeys will become a reality. VRCO intends to play a major role in this paradigm shift and we call it Airvolution.

Join the discussion
#GUAS2019



Notice of Filming and Photography

Throughout the Global Urban Air Summit 2019, our official media partners will be conducting photography and filming for the event.

FINN will also be conducting interviews with speakers, exhibitors and delegates throughout the summit. If you would like to be interviewed during the summit, please speak with a member of the FINN crew.

All speaker, exhibitor and sponsor information correct at the time of publication.
Speaker, exhibitor and sponsor line up may be subject to change prior to the event.



Global Urban Air Summit

3-4 September 2019

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