2018
Honours, Medals & Awards
RAeS Honours, Medals & Awards

The global aerospace community’s most prestigious and long-standing awards honouring achievement, innovation and excellence.

The Royal Aeronautical Society has been honouring outstanding achievers in the global aerospace industry since 1909, when Wilbur and Orville Wright came to London to receive the Society’s first Gold Medal. Over the years, honouring aerospace achievers in this way has become an annual tradition. The Society’s Awards Programme recognises and celebrates individuals and teams who have made an exceptional contribution to aerospace, whether it is for an outstanding achievement, a major technical innovation, exceptional leadership, or for work that will further advance aerospace.

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RAeS Honours

Honorary Fellowship

The world’s highest distinction for aerospace achievement awarded for only the most outstanding contributions to the aerospace profession. This honour is conferred on those whose careers, leadership, inspiration and impact marks them out as among the most eminent, widely recognised and influential aerospace professionals of their generation.

Major General Desmond Edward Barker MRAeS SAAF Retired

Experimental test pilot

Major General Barker is admitted to Honorary Fellowship in recognition of the major role that he played in establishing and developing a formal flight test capability in the South African Air Force (SAAF) and defence industry. In a flying career spanning more than four decades, Major General Barker also played key roles in a wide range of individual projects. He served as Chief Test Pilot (1990-1995) and then Officer Commanding (1996-2000) of the SAAF Test Flight and Development Centre. In addition, through his publications and presentations he has made a significant contribution to display flying safety.

Major General Barker qualified as a pilot in 1969, a maintenance test pilot in 1974 and an experimental test pilot in 1984. He is a qualified flying instructor and a display pilot with 7,200 flying hours on 56 different types of aircraft. He was appointed as Air Attaché to the United Kingdom in 2000 and Base Commander AFB Makhado in 2004. He retired in 2008 as Chief of Air Staff Operations and became the Manager of Aeronautics Research at the Council for Scientific and Industrial Research from which he retired in 2017. He remains self-employed as a civilian experimental test pilot and serves as the Vice President of the Society of Experimental Test Pilots (South Africa) and on the boards of the Aeronautical Society of South Africa, and of Airshow South Africa. In addition to his publications on display flying safety he has written a handbook for general aviation pilots: Guidelines for the Flight Testing of Experimental and Homebuilt Aircraft. He has received numerous honours and awards from the South African government, the international air display community and the international test flying community.
Mr Marcus Bryson
Chairman for Aerospace in the UK Government Department for Business, Energy and Industrial Strategy

Mr Bryson is admitted to Honorary Fellowship for his achievements in promoting the UK aerospace industry. Mr Bryson spent his entire career in the aerospace industry, culminating in ten years as the CEO of GKN Aerospace. During this period the company grew into a global Tier 1 supplier with a revenue of £2.5bn and 12,000 employees. During the latter part of his career Mr Bryson devoted his energy, influence and leadership skills into initiatives to align Government and industry strategy for aerospace in the UK. This led to the creation of the Aerospace Growth Partnership between Government and industry, and the formation of the Aerospace Technology Institute, resulting in improved co-ordination and significant additional investment in research and technology.

Having worked in the Westland Group in finance and general management since 1984, Mr Bryson joined GKN when it acquired the Westland Group in 1994. In 2005 he was appointed CEO of GKN Aerospace Group. From 2012 Mr Bryson worked with the UK Government to promote long-term consistent support for technology development in the UK. He co-chaired the Aerospace Growth Partnership between Government and industry for six years. He was instrumental in establishing the Aerospace Technology Institute. In 2014 he was appointed President of ADS – the trade organisation for companies in the UK aerospace, defence, security and space sectors – and was recognised in the Queen’s Birthday Honours for services to aerospace with the award of a CBE. Following his retirement in 2016 Mr Bryson took on a new role as Chairman of Aerospace for the UK Government, working with the Department for Business, Energy and Industrial Strategy to further develop UK Aerospace. In this role he has provided strategic level support on export and inward investment opportunities.

Mr Francis Donaldson FRAeS
Chief Engineer, The Light Aircraft Association

Mr Donaldson is admitted to Honorary Fellowship for his outstanding contribution to developing a safe operating environment for amateur-built and vintage aircraft, and to the development of affordable recreational aviation in the United Kingdom. As Chief Engineer of the Light Aircraft Association (LAA) for more than a quarter of a century, Mr Donaldson has had an outstanding positive impact on general aviation by encouraging the growth of recreational flying, while raising airworthiness standards to improve safety. During his tenure the LAA fleet has more than doubled and has become increasingly diverse. The award to the LAA by the Civil Aviation Authority of BCAR A8-26 Engineering and Oversight Approval in May 2016 is testament to the effectiveness of the design, build and testing standards and culture that Mr Donaldson has fostered in the LAA. His successful campaign for vintage aircraft to be able to operate on a ‘Permit to Fly’ instead of the more expensive ‘Certificate of Airworthiness’ has enabled more vintage aircraft to keep flying. In addition, his many articles and lectures on technical subjects have helped people around the world to understand better the technology and challenges of designing, building and flying recreational aircraft.

After graduating from Loughborough University, Mr Donaldson was employed by the Edgley Aircraft Co in 1983, engaged in certifying the Optica observation aircraft and putting it into production. Over a relatively short period he gained experience in production engineering, design, development and certification, and, after gaining a private pilot’s licence, flight test engineering. A keen devotee of amateur-built and vintage aircraft, Mr Donaldson became Chief Engineer of the Popular Flying Association (now Light Aircraft Association) in 1991, with responsibility for all engineering matters including the approval of new designs, modifications and repairs, and flight testing. Mr Donaldson has held this position for more than 27 years, during which he has overseen a huge expansion in the LAA fleet, which now comprises more than 4,000 aircraft flying, under construction or being restored. In the course of his work he has flown more than 160 different types of aircraft. In his spare time Mr Donaldson has been involved, from the age of 17, in building and restoring aircraft, and latterly flying in air displays.
Colonel Joseph Kittinger Jr USAF Retired

High-altitude balloon and parachute pioneer

Colonel Kittinger is admitted to Honorary Fellowship for his pioneering work on high altitude balloon flights and parachute jumps that have led to significant advances in aerospace engineering and design, and the safety of pilots and astronauts. The records that he set in the 1950s and 1960s (including for highest balloon ascent and for longest freefall) stood for decades and the results demonstrated that it would be possible to put a man in space.

Colonel Kittinger joined the United States Air Force in 1949 and trained as a fighter pilot. After serving on frontline squadrons and at the Air Force Missile Development Center, he became the test pilot for the Project Manhigh high altitude balloon flight. Continuing as the pilot on Project Excelsior I, II and III and Project Stargazer, he established the unofficial records for an altitude of 31,333 metres and longest parachute freefall. Colonel Kittinger then volunteered for three tours of duty in Vietnam, flying 483 combat missions and spending 11 months as a prisoner-of-war after being shot down. He retired in 1979 and spent the next 14 years as Vice President of Flight Operations for Rosie O’Grady’s Flying Circus. In 1984 he became the first person to fly solo across the Atlantic in a helium balloon. He is still actively involved in aviation. In 2012 he acted as the capsule communicator (CAPCOM) for the Red Bull Stratos project that broke his 52-year-old freefall record. Colonel Kittinger has received numerous awards and decorations including the Harmon Trophy for outstanding accomplishments in aeronautics.

Honorary Companionship

Awarded for rendering distinctive and notably meritorious service to the aerospace profession. This honour is conferred on those whose professional achievements may not be exclusively in aerospace, or may be in some way unconventional, but who have, nevertheless, made a distinctive and notably meritorious contribution to the aerospace profession.

Ms Shaesta Waiz

Founder and President, Dreams Soar Inc

Ms Waiz is admitted to Honorary Companionship for her achievements in inspiring young people, especially young girls, to become the next generation of STEM (science, technology, engineering and mathematics) and aviation professionals. In 2017, at the age of 30, she became the youngest woman to fly solo around the world in a single-engine aircraft. During her Global Flight for STEM she flew 24,000 nautical miles over 145 days. Along the way she visited 22 countries and personally inspired over 3,000 young girls and boys at 32 outreach events in 14 countries. Since completing the flight, Ms Waiz and Dreams Soar Inc have created a scholarship programme to encourage young people to choose a career in STEM and aviation.

Born in an Afghan refugee camp, Ms Waiz and her family emigrated to the US in 1987, when she was a very young child, to escape the Soviet-Afghan war. She discovered her passion for aviation at age 18 and attended Embry-Riddle Aeronautical University. There she earned both Bachelor’s and Master’s degrees and founded the Women’s Ambassador Program that mentors and supports young women pursuing an education in aviation and engineering. Ms Waiz holds a commercial pilot license and is the first certified civilian female pilot from Afghanistan. She founded Dreams Soar Inc in 2014 as an initiative to share her story with young girls and women around the world.
RAeS Medals

RAeS Silver Medal
Awarded for work contributing to major advances or contributions in aerospace.
MR ROBERT SAIA
VICE PRESIDENT, NEXT GENERATION PRODUCT FAMILY, PRATT & WHITNEY
Mr Saia is being awarded the Society Silver Medal in recognition of his leadership of the development of the Geared Turbofan Engine and its successful adoption by five aircraft programmes, significantly reducing fuel consumption, noise and emissions.

Considered to be the 'father' of the Pratt & Whitney Geared Turbofan (GTF) programme, he has been involved in Propulsion System Analysis, Programme Management, Marketing and Sales and has also spent time in Toulouse co-ordinating activities with Airbus.

RAeS Gold Medal
Awarded for outstanding contributions to the advancement of aerospace art, science and engineering.

Mr Peter Beck
Founder, CEO and CTO of Rocket Lab

Mr Beck is awarded the Society Gold Medal in recognition of his exceptional work in creating a novel, affordable launch capability for small satellites in New Zealand. Mr Beck is the founder, CEO and CTO of Rocket Lab, a private company. He has led the design and construction of the Electron Rocket and Rutherford engine. Both use lightweight materials and novel manufacturing methods – for example, 3D printing for some engine components – that reflect significant technological advances. The designs are optimised for mass production, thus offering much cheaper access to space for the rapidly growing small satellite market. Mr Beck also oversaw the development of the world's first and only private orbital launch range, located on New Zealand's Māhia Peninsula. He played a crucial role in establishing international treaties and legislation to enable orbital launch capability from New Zealand. That capability was realised in January 2018 with Rocket Lab’s first orbital launch of the Electron rocket.

Mr Beck founded Rocket Lab in 2006 following a decade and a half of propulsion research and market development in the international space community. He has since established Rocket Lab in both New Zealand and the United States as a premier institute for innovative space systems. He is the head visionary and chief engineer behind Rocket Lab. In 2009 Mr Beck led the development and launch of Atea 1, with Rocket Lab becoming the first private company in the Southern Hemisphere to reach space. He initiated the Electron programme in 2012 to provide launch services focused on the growing small satellite industry. Mr Beck has received the Meritorious Medal from the Royal Aeronautical Society New Zealand Division and the Cooper Medal from the Royal Society of New Zealand. In 2015 he was named New Zealander of the Year (Innovation) and in 2016 he was recognised as the EY New Zealand Entrepreneur of the Year.
RAeS Silver Medal

Awarded for major contributions to the advancement of aerospace art, science and engineering.

Mr Yohan Jayaratne FRAeS
Executive Director of Airports and Aviation Services Sri Lanka Ltd

Mr Jayaratne is awarded the Society Silver Medal in recognition of his major contribution to the development of aviation in Sri Lanka over the last decade. In particular, Mr Jayaratne created a masterplan to restructure Sri Lankan airspace and modernise air navigation services. This plan has been 80% implemented in conjunction with other countries in the region. Mr Jayaratne initiated and led the development, construction and commissioning of the international airport at Mattala, opened in 2017.

Mr Jayaratne has served as the Executive Director of Airport & Aviation Services (Sri Lanka) Limited for the past ten years. He has over 25 years of experience in the aviation, aerospace and biometric industries at a senior management level and has worked in many parts of the world at leading companies. He was a founding partner of Trijay Technologies, a biometric company in California, and ran it successfully as its CEO for many years until 2007. The technologies developed by the company are used at airports worldwide. He also was a director of DCS-Europe that provided identification solutions to public sector organisations internationally. In addition, he was the managing director of an aerospace company in the USA, manufacturing equipment for the United States Department of Defense, Airbus, Boeing, Embraer and other companies. He holds international patents in fingerprint biometric technologies. Mr Jayaratne has an academic background in aerospace engineering and business and is a professional pilot. He is also an avid sailor and served as an officer in the US Coast Guard Reserve/Auxiliary for many years.

RAeS Bronze Medal

Awarded for notable contributions to the advancement of aerospace art, science and engineering.

Wing Commander Mike Place RAF
SO1 Risk, Military Aviation Authority

Wing Commander Place is awarded the Society Bronze Medal in recognition of his contribution to defence air safety by developing a radical new approach to air safety analysis. Erstwhile analysis had focused on a relatively small sample of high-fidelity reports from major accidents and incidents. Wing Commander Place decided to go back to basics. Demonstrating intellectual rigour and organisational drive, he led his team of 12 to analyse the raw data from more than 100,000 low-fidelity occurrence reports over the past ten years. The resulting analysis powerfully showed a series of positive and negative correlations. This provided evidence to support some previously held intuitive positions, but other conclusions were unexpected. Wing Commander Place’s novel approach has achieved a transformation of the Military Aviation Authority’s approach to analysis into a rigorous study of where the Defence Aviation Environment is most exposed to risk that has become the starting point for the direction of safety assurance effort.

Wing Commander Place joined the Royal Air Force, aged 16, as a propulsion mechanic before commissioning into the engineering branch in 1996. He has provided engineering support to a wide range of military aircraft and has served in the Middle East and supported operations worldwide. Graduating in 2006 with an MSc in Safety Critical Systems Engineering from the University of York, he has been extensively involved with the development and deployment of engineering and operational capability. Appointed to the Military Aviation Authority in 2015, he has undertaken analysis and assurance of the Defence Aviation Environment with a focus on risk management.
Major Roderick Short RCAF
Structures Certification, Military Aviation Authority

Major Short is awarded the Society Bronze Medal in recognition of his work to improve understanding of the risks posed to aircraft from collision with remotely piloted aircraft (RPA, otherwise known as drones) and the ways that this can be mitigated. Major Short recognised that, while the increasing likelihood of a collision between an RPA and a manned aircraft was understood by UK authorities, the damage and injury that such collisions might cause had not been quantified. He initiated a study, drawing in the Department for Transport and the British Airline Pilots Association. Using a combination of modelling and physical experiment, this established that the greatest risk comes from the density and shape of certain components, and that the risk could readily be reduced by simple and cheap changes in material selection and design. These findings have been incorporated into standards for RPA design within industry, NATO and Europe. They have also led to regulatory reviews by United States and Canadian authorities.

Major Short graduated as a mechanical engineer from the Royal Military College of Canada in 2004, subsequently earning a Master's degree in Aeronautical Engineering from the same institution in 2011. His aircraft structural engineering knowledge has been applied to numerous Canadian fleets, including the C-17 Globemaster, CP140 Aurora and the Bell 412 Griffin helicopter. From 2014 to 2018 he served as a military exchange officer in the UK Military Aviation Authority. During that tour of duty, he initiated and conducted the study into the risks resulting from collisions between aircraft and RPA. Major Short has now returned to Ottawa, where he is the Aircraft Engineering Officer responsible for the safe operation of the CP140 Aurora maritime patrol aircraft.

RAeS Team Gold Medal

Awarded for outstanding contributions to the advancement of aerospace art, science and engineering.

Rocket Lab Rutherford Engine Team

The Rocket Lab Rutherford Engine Team is awarded the Team Gold Medal for developing an oxygen/kerosene pump-fed engine that uses an entirely new propulsion cycle. Its high-performance electric battery-powered pumps reduce mass and replace hardware by software. The design reduces exposure of components to high temperatures, reduces scale-effects sensitivity and greatly simplifies control because the propellant flow rate is under electrical control, avoiding the need for throttling pre-burners. The use of highly refined kerosene reduces polluting emissions and the low operating temperatures of the primary components allow for their manufacture using ‘3D printing’ techniques, further reducing costs. The Rutherford engine is used as both a first and second stage engine for the Electron launch vehicle.

Mr Lachlan Matchett, who was named ‘New Zealand Young Engineer’ in 2017, leads the Rutherford Engine Team. As VP Propulsion, he is responsible for all propulsion activities at Rocket Lab, including the initial design of the Rutherford engine that achieved flight qualification in 2016. He managed the development of the engine from concept through flight qualification and production. Other members of the team are: Peter Barlow, Sean Brennan, Jarrod Hammond, Andrew Burns, David Andrews, Haydn Ngan, Andrew Thorp, David Rhodes, Michael Connaughton and Matthew Bricalli.
Team Silver Medal

Awarded for major contributions to the advancement of aerospace art, science and engineering.

RAF Youth and STEM Team

The RAF Youth and STEM Team is awarded a Team Silver Medal for delivering an exceptional science, technology, engineering and mathematics (STEM) engagement programme, establishing the RAF’s commitment to addressing skills shortages. Recognised nationally for best practice, they are passionate and innovative in their approach, working collaboratively with partners that share the RAF’s commitment to STEM. In 2018, the RAF’s Centenary, the Team is delivering the most ambitious early-years STEM programme ever undertaken in Defence aiming to reach two million students aged 9-14, as well as bespoke engagement with Air Cadets, Scouts, Guides and other Youth Organisations. Specifically designed to be fully inclusive, the programme focuses on girls, BAME and the socially deprived, promoting the RAF’s commitment to gender and ethnic diversity, and fair access.

The team is led by Wing Commander Glynis Dean, a full-time Reservist, and comprises both RAF personnel and civil servants. The team has national reach and Wing Commander Dean is the acknowledged RAF Youth STEM and Diversity subject matter expert. The Team is also responsible for other aspects of youth work including strategy and policy.

Redstreak SAR System Team

The Redstreak Mobile Phone Detection and Location System Team is awarded a Team Silver Medal for developing an airborne Search and Rescue (SAR) system that locates and communicates with a person in possession of a standard mobile phone. This system works in areas with no cellular network coverage and effectively configures the mobile phone as a rescue beacon. While locating the individual, Redstreak provides both voice and text communications. It is a ruggedised, self-contained role-fit unit for any helicopter, which gives the SAR community the possibility of quickly and precisely locating casualties from greater distances and altitudes than through a visual search alone.

The Redstreak team comprises experienced engineers from Smith Myers and Leonardo Helicopters, jointly led by Mr Peter Myers and Mr James Vincent. The team commenced work in late 2013 creating architecture and equipment requirements to define a project that took the concept through flight trials development, qualification and into production.
Team Bronze Medal

Awarded for notable contributions to the advancement of aerospace art, science and engineering.

Chinook Flight of the Joint Helicopter Command Operational Evaluation Unit

A Team Bronze Medal is awarded to the Chinook Flight of the Joint Helicopter Command (JHC) Operational Evaluation Unit and elements of the Air Warfare Centre (AWC) and the Defence Science and Technology Laboratory (Dstl) for the development of Electronic Warfare manoeuvres that work for a formation of helicopters. This is the first development carried out by the MoD for multiple helicopters countering the radar guided weapon threat. It paves the way for a successful capability upgrade for front line operations.

The team is led by Squadron Leader James Baker, Officer Commanding Chinook Flight, JHC Operational Evaluation Unit. It includes specialists from the AWC Test and Evaluation Squadron, and from Dstl.

Electric Drive Tail Rotor Team

The Electric Drive Tail Rotor Team has been awarded a Team Bronze Medal for the successful demonstration of flight-ready hardware for the implementation of an electrically-driven tail rotor sized for the AW139 helicopter. This has significant environmental benefits including reducing noise levels and fuel consumption. The result is a viable electric drive solution for a medium-sized helicopter that is certifiable using accepted best practice for the design and testing of flight-critical mechanical systems.

The Electric Drive Tail Rotor design and development team is led by Mr Martin Barber of Leonardo Helicopters. It includes electrical, mechanical, transmissions, dynamics and flight control engineers at Leonardo Helicopters’ UK and Italian sites, and experts from the University of Bristol led by Professor Phil Mellor, and from Motor Design Ltd led by Dr David Staton. Additionally, the team looked beyond the normal aerospace supply chain to the motorsport sector for the design and development of high-performance power control using novel sensor-less techniques. This part of the team at Zytek Automotive Ltd was led by Dr Tim O’Sullivan.

Airbus Perlan 2 Project Team

The Airbus Perlan 2 Project Team has been awarded a Team Bronze Medal for exploring very high-altitude aerodynamics and performing research in ‘near space’. Perlan 2 is a pressurised, two-place, space capsule with glider wings designed to use only the power of stratospheric mountain waves to fly as high as 90,000ft. At the time of nomination Perlan 2 had set a new glider record of 54,000ft; it has recently achieved an altitude of 76,124ft. Perlan’s experiments and data will help in designing a possible future Martian aeroplane.

The Perlan 2 team is a 41-strong all-volunteer group of aerospace engineers, pilots, meteorologists and scientists. Led by Mr Ed Warnock, the key members are leaders in their fields, and have invested thousands of work hours developing this one-of-a-kind stratospheric vehicle.
Mr Arthur Thompson

Technical Director, Red Bull Stratos

Mr Thompson is awarded the Society’s Specialist Award for his achievement as the Chief Technical Officer of the Red Bull Stratos free-fall mission. On 14 October 2012 Felix Baumgartner ascended to 128,000ft (39 kilometres) in a pressurised capsule, suspended from a balloon. He then exited the capsule and fell, breaking the speed of sound (Mach 1.25) and reaching a terminal velocity of 843.6mph (1,356 km/hr), before opening his parachute and safely descending to the ground. This broke the 52-year-old record held by Colonel Joseph Kittinger and it was the culmination of nine years work by Mr Thompson. As technical project director, he assembled the team and led all aspects of technical development: capsule design; flight and life support systems; safety systems; chamber tests; mission profiles; and flight operations. The lessons learned and the biometric data collected will contribute to the safety and survivability of future astronauts, cosmonauts and high-altitude aircrew.

Mr Thompson is the founder and CEO of Sage Cheshire Inc. He has over 39 years of experience in aerospace conceptual design and fabrication, managing engineers and fabricators to produce major milestones in the aerospace history including the B-2 stealth bomber. A California native, he studied Engineering at UCLA and attended the University of La Verne, and Northrop University. After leaving Northrop he co-founded Sage Cheshire Aerospace Inc and A2ZFX Inc, providing engineering, R&D and fabrication services and promotional products. Mr Thompson has numerous awards including; the Space Safety 2013 Jerome Lederer Pioneer Award; 2013 Excellence in Aviation Award from the Flight Test Historical Foundation; Hall of Fame 2013 Inductee, San Diego Air and Space Museum. He is an Honorary US Army Golden Knight and he was recognised by the New Mexico and California Senates for contributions in aerospace and human physiology egress from high altitude.
Flight Operations Medal

Captain Graham Cruse FRAeS
Former Chair of UK Flight Crew Human Factors Advisory Panel

Captain Graham Cruse is awarded the Flight Operations Medal for his contribution to the development of Crew Resource Management (CRM) and Human Factors training. As a founder member of the UK CRM Advisory Panel (now the Flight Crew Human Factors Advisory Panel) and a member for more than 35 years, his influence and oversight have been pivotal in the creation of CRM techniques, training material and industry guidance. He has devoted a great deal of personal time and effort to the modernisation of CAP 737 and seven updates of CAA Standardisation Document 29. Much of the guidance material that he has developed has been adopted by EASA and is in use worldwide.

Captain Cruse’s involvement with aviation started in 1969, while in sales management with United Biscuits, during which time he gained a private pilot licence and instructor rating. He became a full-time instructor in 1979. He then attended Oxford Air Training School where he gained a commercial pilot licence, instrument rating and an airline transport pilot licence. He joined McAlpine Aviation Ltd in 1981, flying a range of aircraft, primarily the HS125, worldwide and becoming Fleet Manager. In 1999 he moved to Go Fly Ltd, flying the Boeing 737 and managing the flight crew Human Factors Training Programme. He finished his flying career with easyJet in 2013, flying the Airbus A319 and A320. Captain Cruse is a Liveryman of the Honourable Company of Air Pilots. He was chairman of the UK Flight Crew Human Factors Advisory Panel from 2005 to 2017 and was a UK CAA appointed CRM training examiner for nine years.

Flight Simulation Medal

Captain Anil Gadgil FRAeS
Founder and Director JEET Aerospace Institute (India)

Captain Gadgil is awarded the Flight Simulation Medal for his inspirational achievements in designing, building and operating a low-cost, mobile flight simulator as a means of promoting aviation as widely as possible in India. Captain Gadgil set up the JEET Aerospace Institute with his wife, Kavita, in memory of their son, Flight Lieutenant Abhijit Gadgil, who was killed in a MiG21 crash in 2001. The Institute was intended, through the simulator, to introduce budding fliers and enthusiasts, irrespective of age or gender, to the thrill of flying. The indigenously-built twin-jet simulator has been approved by the Director General of Civil Aviation in India to conduct pilot training courses and has so far trained more than 460 potential pilots. Captain Gadgil’s achievement is an inspiring illustration of how effective low-cost simulation can be in outreach and recruitment, particularly in a region where the potential growth of aviation is projected to outstrip the means of providing sufficient trained people to meet the demand.

Captain Gadgil was commissioned as a pilot in the Indian Air Force in 1967. He flew target-towing, para-dropping, photo-reconnaissance and VVIP flights and took part in the Bangladesh liberation war in 1971. He joined Air India in 1985 and retired as a senior ‘Jumbo’ commander, check-pilot and Joint General Manager Operations in 2005, having flown 13,000 hours. In 2005, Captain Gadgil, with the help of Arco Engineering in Pune and RealiSim company in Bangalore, built India’s first and only indigenous mobile flight training simulator, mounted on a Tata truck body. Having obtained government approval for training pilots in 2008, over the past ten years he has trained over 460 pilots, most of whom have found jobs in the aviation industry. Captain Gadgil is a graduate of the Defence Services Staff College, Wellington, and is a Past-President of the All India Federation of Pilots.
Geoffrey Pardoe Space Award

into low Earth orbit. The development of Electron began in 2013, starting from a clean sheet. Since then the team has rapidly designed and developed a low-cost, two-stage launcher using advanced carbon composite materials and novel manufacturing techniques. Electron is the world’s first fully carbon-composite launch vehicle and is designed to deliver payloads of 150 kilograms to a 500-kilometre Sun-synchronous orbit at a weekly launch rate. The second test flight in early 2018 successfully launched a set of satellites into orbit from a new spaceport on the Mahia peninsula in New Zealand.

The development of Electron was led by Peter Beck. It required input from the entire Rocket Lab team, however, the following individuals played particularly significant roles in Electron’s design and development: Sandy Tirtey, Jamie France, Naomi Altman, Stefan Brieschenk, Ben Malcolm, Avinash Rao, Joshua Lamorie, Lachlan Matchett, Shaun O’Donnell, Peter Barlow, Shaun D’Mello, Jamie Timms, Rolf Gehre, Erwin Van Drunen and Malcolm Snowdon.

Young Persons’ Awards

The Society confers additional awards recognising achievements by young people, both individuals and teams.

Young Persons’ Achievement Award

Awarded to a young person or team for exceptional achievement or promise in aerospace.

Herbert Le Sueur Award

Awarded to a young person whose studies will be enhanced by attending a UK or European conference with at least some content related to rotary-wing or fixed-wing aircraft safety.

Mr Paul Haig ARAeS

Both the Young Person’s Achievement Award and the Herbert Le Sueur Award are awarded to Mr Paul Haig. During his four years with Leonardo Helicopters, since graduating from the University of Glasgow, Mr Haig has demonstrated an exceptionally mature ability to deliver complex technical tasks to cost and schedule. His performance as the lead avionic systems specialist responsible for all technical and certification aspects of the novel Obstacle Proximity LIDAR system fitted to the AW101 Norwegian search and rescue helicopter has been particularly impressive. The LIDAR sensor was itself the subject of a prior RAeS Specialist Silver award in 2014, but this application is that sensor’s first use in a role where its function will be relied upon to minimise the risk to a helicopter forced to fly in a confined space to conduct a rescue.

Mr Haig is engaged with the RAeS professional development programme and is working actively towards achieving Chartered Engineer status. In addition, he has demonstrated a personal commitment to his peer group by serving as Chair of the Company’s Apprentice and Student Association in a year where they raised £70,000 for charity. He has also been involved in various STEM projects with local schools, including an RAeS Cool Aeronautics event.
Mr Kieran Byrne MRAeS

Mr Byrne presented his paper titled ‘Flight Operations Threat & Error Management in an Airfield Categorisation Process’ to the Manchester Branch.

Mr Byrne studied Aircraft Engineering with Pilot Studies at the University of Salford until 2013. His first role was in Monarch Airlines’ Flight Operations department as the Base Pilot Coordinator and as a Quality, Safety and Compliance Auditor. He was there for four years until he took up his current position as Fleet Support Manager in TUI Airways (formerly Thomson) in 2017. As part of this role, Mr Byrne is responsible for the company’s airfield approval process and this inspired his paper. He is a committee member of the RAeS Manchester Branch.

Mr Myles Johnson

Mr Johnson presented his paper titled ‘Systems Engineering for the Mars Sample Return Mission’ to the Bedford Branch.

Over the past year, Mr Johnson has been working as a Spacecraft Systems Engineering Intern at Lockheed Martin UK (LMUK) on European Space Agency (ESA) projects including Spacider – a reusable un-crewed spaceplane – and Mars Sample Return. In total, Mr Johnson was the recipient of over ten accolades, most noticeably two LMUK Spotlight awards for a presentation at ESTEC on the Mars Sample Return Mission, and for founding a successful outreach event: Ampthill Space Mission Control (ASMC) Day. He attended an ESA Academy workshop on the Rosetta mission in Belgium, and received a scholarship from the UK Space Agency to attend the ESA Summer School in Austria, where he acted as lead engineer for his team. He is currently pursuing a Master’s degree in Mechanical Engineering at Loughborough University, and is looking to further his knowledge of spacecraft systems engineering.

Mr Laurent Declerck

Mr Declerck presented his paper titled ‘A Boat on Wings’ to the Bristol Branch.

Mr Declerck is in the final year of an MSc Aerospace Engineering degree at the Delft University of Technology. He started studying in Delft in 2012 and, after an exchange to Toulouse, he paused his studies for one year before starting his MSc. During that year, he joined the TU Delft Solar Boat Team as the Chief Engineer. The goal was to design and manufacture the fastest solar-powered hydrofoil race-boat. Mr Declerck was responsible for the technical quality and management of the 24 students in the team. An internship in 2017 at Airbus Filton brought him to the UK.

Mr Kieran Byrne MRAeS

Mr Byrne presented his paper titled ‘Flight Operations Threat & Error Management in an Airfield Categorisation Process’ to the Manchester Branch.

Mr Byrne studied Aircraft Engineering with Pilot Studies at the University of Salford until 2013. His first role was in Monarch Airlines’ Flight Operations department as the Base Pilot Coordinator and as a Quality, Safety and Compliance Auditor. He was there for four years until he took up his current position as Fleet Support Manager in TUI Airways (formerly Thomson) in 2017. As part of this role, Mr Byrne is responsible for the company’s airfield approval process and this inspired his paper. He is a committee member of the RAeS Manchester Branch.
2018 Honours, Medals & Awards

Mr Lewis Norris ARAeS
Mr Norris presented his paper titled 'The Future of Mobility is Ascending' to the Derby Branch.

Mr Norris is a Rolls-Royce graduate, currently working as a Capability Acquisition Engineer in automation. He is leading the deployment of a machine learning software solution across Rolls-Royce compressor components. Mr Norris has recently worked in the Rolls-Royce Future Technology Group, which gave him the inspiration to lecture on the Future of Mobility. In this department, he led the development of a battery performance model and contributed to the battery systems architecture of the Rolls-Royce eVTOL Concept. Mr Norris has an MEng in Aerospace Engineering from the University of Surrey and aspires to become the chief engineer of an engine programme.

Ms Isabel Vallina-Garcia
Ms Vallina-Garcia presented her paper titled 'An Experimental Study of Truck Rear Side-Skirt and Bumper Flow' to the Cambridge Branch.

Ms Vallina-Garcia completed a BA and MEng in Aerospace and Mechanical Engineering at the University of Cambridge (Trinity College) in 2016. During the third year of her degree, she did an exchange at the Massachusetts Institute of Technology. She is now working towards a PhD in Engineering in the field of Aerodynamics of Commercial Vehicles, also at the University of Cambridge. Isabel is an active member of the Centre for Sustainable Road Freight in the UK. Her research primarily focuses on investigating the flow physics of the underbody flow and the topology of the near wake with the aim of improving the aerodynamic properties of the trailer underbody.

NE Rowe Certificate of Merit — Under 22 Age Group
Certificates of Merit are awarded to recognise presentations and papers of a high standard.

Miss Chloe Mollosion
Miss Mollosion presented her paper titled 'Lessons in Airframe Design from the de Havilland Comet' to the Derby Branch.

Miss Mollosion is in her final year of a higher apprenticeship with Rolls-Royce PLC, based at their Production & Test Facility in Derby. Before joining the company, she studied an Engineering BTEC at Loughborough College, earning a Distinction* and two Distinctions, and now looks forward to completing the final year of her Bachelor's degree in Manufacturing Engineering at the University of Derby. Miss Mollosion's key focus is process improvement, and she chose to write about the Comet disasters to highlight the importance of using failures as learning opportunities, and how small changes can have a significant impact overall.

Mr William Eustace
Mr Eustace presented his paper titled 'Microwaves: from Death Rays to Dinner' to the Cambridge Branch.

Mr Eustace is an engineering undergraduate at Emmanuel College, Cambridge, specialising in electronic and information engineering. He has a particular interest in radio frequency engineering, radar, aerospace engineering, and naval architecture. His principal hobbies are sailing, electronics, and amateur radio. He also enjoys music, with a particular enthusiasm for the comic operas of Gilbert and Sullivan.
2017 Written Paper Prizes

The Royal Aeronautical Society Written Paper Prizes are awarded annually for the best papers published in *The Aeronautical Journal* by the Society during the previous calendar year. Awards can be conferred at Gold, Silver or Bronze level. The Written Paper Prizes are presented following the approval of the Council of the Royal Aeronautical Society on the basis of recommendations from the RAeS Medals & Awards Committee, supported by the Editor-in-Chief of *The Aeronautical Journal*. The Society recognises the achievements, innovation and excellence of both individual and multiple authors.

**Gold Award**


**Professor Ed Galea**

Professor Galea is the founding director of the Fire Safety Engineering Group of the University of Greenwich, where he has worked in the area of Computational Fire Engineering since 1986 specialising in both fire and evacuation simulation. He is the author of 250+ academic publications and serves on a number of standards committees concerned with fire safety. He is currently serving as an expert in the Grenfell Public Inquiry. His work is applied to the aviation, building, maritime and rail industries. His work in aviation includes: evacuation design studies for new aircraft including the Airbus A380, Bombardier and Mitsubishi Regional Jets; aircraft fire analysis including the Swiss Air MD-11 (Flight 111) fire; fire/evacuation analysis for concept aircraft including the Airbus Blended Wing Body; and evacuation analysis for VIP aircraft. He has won a number of awards for his work.

**Dr Zhaozhi Wang**

Dr Zhaozhi Wang studied Applied Mathematics in Beijing Institute of Technology during 1985-1992 and was awarded a PhD in Fire Modelling in 2007 by the University of Greenwich. He has been working as a Research Fellow, Senior Research Fellow and Lecturer within the Fire Safety Engineering Group of the University of Greenwich. His main research role is associated with the development of computational fluid dynamics modelling techniques with application to fire dynamics and the development of the SMARTFIRE fire simulation software. Recent work includes fire safety analysis using the coupled fire and evacuation simulation technique.
Dr Fuchen Jia

Dr Fuchen Jia graduated from Beijing University with Major in Computational Mathematics in 1984. He received his MSc in Applied Mathematics at Beijing Institute of Technology in 1987. After a period of teaching, he moved to England to undertake a PhD in Fire Modelling at the Fire Safety Engineering Group of the University of Greenwich in 1994. He received his PhD in 1999. He is a key member of the development team for the SMARTFIRE CFD fire modelling software which is licensed to users around the world. He is responsible for the development and implementation of fundamental fire simulation sub-models including radiation, combustion, turbulence and fire spread. His work on the simulation of fatal fire within Swiss Air MD-11 (Flight 111) was one of the first applications of CFD fire simulation in air crash investigation.

Silver Award


Professor Dong Han

Professor Han obtained a PhD in Engineering from the Nanjing University of Aeronautics and Astronautics in 2006. As a post-doctoral researcher, he worked on smart beams at the Utah State University. He then moved to the Pennsylvania State University and worked on smart rotors within the Penn State Vertical Lift Research Center of Excellence. In 2001 he was appointed an associate professor at the National Key Laboratory of Science and Technology on Rotorcraft Aeromechanics in Nanjing University of Aeronautics and Astronautics. In 2014, he visited the University of Liverpool and worked in flight performance of smart rotors for a year. He became professor in 2016. His research interests are focused on rotorcraft dynamics and control, helicopter flight performance, and active rotors.

Professor George N Barakos FRAeS

Professor Barakos obtained a Diploma in Engineering from the National Technical University of Athens in 1992 and a PhD from the University of Manchester Institute of Science and Technology in 1999. He researched fluid structure interaction at Queen Mary and Westfield College and turbomachinery flows, high performance computing, and unstructured grid methods at Imperial College. In 2001 he was appointed Lecturer at the University of Glasgow and undertook research in CFD, parallel computing, turbulence modelling, fluid structure interaction, and unsteady aerodynamic flows. In 2005 he joined Liverpool University, researching rotorcraft aerodynamics and aeromechanics. In 2015 he relocated his CFD laboratory to the University of Glasgow. Professor Barakos is the author of more than 150 research papers and a regular contributor to national and international conferences on aerodynamics, fluid mechanics and CFD.
Bronze Award


Mr Rui Wu

Mr Wu is a PhD student in the School of Mechanical, Aerospace and Civil Engineering at the University of Manchester, major in aerospace engineering. He obtained his Bachelor of Science (Hons) from the School of Materials at Harbin Institute of Technology, where he started his research on morphing structures, and has continued in this field ever since. He obtained his Master of Engineering (Hons) from the School of Materials at the University of Manchester. His current research focuses on smart morphing structures and deployable space structures.

Professor Constantinos Soutis FREng FRAeS

Professor Soutis holds a Chair in Aerospace Engineering and is the Director of the Aerospace Research Institute, and of the Northwest Composites Centre at the University of Manchester. He has previously held positions at the University of Sheffield, Imperial College London, University of Leicester, University of Cambridge and visiting professorial posts at the Massachusetts Institute of Technology and the University of South Carolina, USA. He is a leading authority on mechanics and failure of composites, with significant contributions on modelling damage mechanisms and structural health monitoring using low frequency Lamb waves techniques. His industrial research and engineering experience includes work with the Structural Materials Centre of the British Defence Evaluation & Research Agency, QinetiQ, Dowty Propellers, and ABB Research in Switzerland. He is the author or co-author of over 400 archived articles, with some 30 PhD students qualified under his supervision and guidance.

Professor Shan Zhong FRAeS

Professor Zhong obtained her PhD degree from Cambridge University in 1994. She joined Manchester University as a Lecturer in 1997 after having worked as a postdoctoral research associate at Oxford University for three years. She is now Professor in Experimental Fluid Mechanics and the head of the Aerodynamics Research Group. Professor Zhong’s research is mainly concerned with boundary layer flows. Her current research work focuses on the development and application of novel passive and active flow control technologies for increasing efficiency/operating range of fluid machinery, and reducing environmental impact of transport vehicles. Her work has received financial support from the Engineering and Physical Sciences Research Council, industry, learned societies and research institutions from overseas. She has published over 120 research papers in international journals and conferences.

Dr Antonio Filippone FRAeS

Dr Filippone is a Reader in Aerospace Engineering at the University of Manchester. His current research interests span from applied and experimental aerodynamics, to aeroacoustics, flight mechanics, rotorcraft, engine-airframe integration, numerical methods and high-performance computing. He has contributed over 100 technical papers, three textbooks and ten book chapters. He leads the UK Vertical Lift Network, which is a research consortium within the broad area of rotorcraft systems, connecting academia, industry, government and the Ministry of Defence.
Bronze Award


Dr Andrea Castrichini
Dr Castrichini has a Bachelor's and a Master's degree in Aerospace Engineering from the University of Rome, La Sapienza. He had his first industrial experience at MSC Software, working on projects involving structural dynamics and aeroelasticity for civil and military aerospace customers. He then completed an industrial PhD at the University of Bristol, in collaboration with Siemens PLM and Airbus, on the modelling of combined ground and aerodynamic loads, as well as the design of a folding-wing-tip device to alleviate aircraft loads. After a year as a research associate at the University of Bristol, he has joined Airbus UK as a load and aeroelastic engineer.

Dr Vijayakumari Hodigere Siddaramaiah
Dr Siddaramaiah obtained an MTech in Computer Aided Design of Engineering from Vishwesharaia Technological University, Karnataka, India and a PhD in Aeronautical Engineering from the University of Manchester. She started her career as a consultant structural engineer (1998-2000) and then was a project associate with the Computational Research Group, Department of Aerospace Engineering, IISC, India (2002-2004). Following her PhD studies, she worked as a research assistant in the Truss-Braced Wing Design Group, Department of Aerospace and Ocean Engineering, Virginia Technical and State University, USA (2011-2013) where she was involved in aeroelastic analysis for the Subsonic Ultra-Green Aircraft Research (SUGAR) TBW Project. She joined the Morphing Aircraft and Gust Loads Alleviation Group at the University of Bristol (2014-2015) and then became an Assistant Professor in the Department of Aerospace Engineering, International Institute for Aerospace & Management, Bangalore, India (2015-2016).

Dr Dario Calderon
Dr Calderon graduated with a Master's degree in Pure and Applied Mathematics from the University of Bath in 2007 and an MSc in Aerospace Engineering in 2008. He was awarded his PhD in 2013 from the University of Bath for a thesis titled ‘Plunging Low Aspect Ratio Wings in Low Reynolds Number Flows’. He developed expertise in various flow measurement techniques, including volumetric velocimetry, to analyse three-dimensional vortex structures in unsteady separated flows. He moved to the University of Bristol in 2014. He has worked with various organisations including the Office of Naval Research, the UK Aerodynamic Centre and Airbus on academic projects ranging from oscillating flexible hydrofoils, folding wing tips, gust load alleviation control algorithms and nonlinear modelling of high aspect ratio flexible commercial wings.

Professor Jonathan Cooper FRAeS
Dr Cooper has been the Airbus Royal Academy of Engineering Sir George White Professor of Aerospace Engineering at the University of Bristol since 2012. Graduating with a BSc in Engineering Mathematics and a PhD in Aeronautical Engineering from Queen Mary University of London, he started his career at the Royal Aerospace Establishment, Farnborough and then moved to academia, first at the University of Manchester (1989-2007) and then the University of Liverpool (2007-2012). Professor Cooper has researched in the areas of aeroelasticity, loads and structural dynamics for over 30 years, working closely with the European aerospace industry. He is currently the President-Elect of the Royal Aeronautical Society.
Mr Tom Wilson

Mr Wilson graduated from Imperial College, London in 2000 with a Master’s degree in Aeronautical Engineering. After completing the Airbus graduate scheme, Mr Wilson has worked in the Airbus Loads & Aeroelastics Department since 2001, starting with A400M aeroelastics and later branching out into flight loads and ground loads. Mr Wilson’s roles have included being a team leader and a technical competence leader for gust loads and aeroelastics. Today his main role is as the loads and aeroelastics designated technical expert for Beluga XL. His core research interest in recent years has been in-flight folding wing tips aka ‘The Semi Aeroelastic Hinge’.

Dr Yves Lemmens

Dr Lemmens has a degree in aviation and space technologies from the University of Brussels and has a PhD from the Department of Aerospace Engineering of Cranfield University. He is currently a senior research manager at the Industry Solutions team of Siemens PLM Software in Belgium. He manages research activities that are focused on simulation methods of mechatronic systems for aerospace and automotive applications in support of the development of the Simcenter software.

Bronze Award

Awarded to D I A Poll for his paper titled ‘21st-century civil aviation: is it on course or is it over-confident and complacent? - thoughts on the conundrum of aviation and the environment.’ The Aeronautical Journal, February 2017, Vol 121, No 1236, p 115.

Professor Ian Poll FREng FRAeS

Professor Poll is Emeritus Professor of Aerospace Engineering at Cranfield University and CEO of Poll AeroSciences Ltd. A member of the NATO AGARD Fluid Dynamics Panel (1990-96), he has served on a number of Government Advisory Committees. He was Chairman of the Defence Scientific Advisory Council to MoD (2011-14) and a member of the Home Office Scientific Advisory Committee and the Natural Environment Research Council (2014-18). A Council Member of the Royal Academy of Engineering (2004-07) and a Council Member of the Royal Aeronautical Society (1996-2010), he was the 74th President of the RAeS in 2001 and President of the International Council of the Aeronautical Sciences (2008-10). He has delivered the RAeS Wilbur and Orville Wright, Lanchester, Handley Page and von Kármán Lectures and he was the AIAA Hugh L Dryden Distinguished Lecturer for 2010. An Honorary Fellow of the AIAA and ICAS, a Fellow of the City and Guilds Institute of London (2004). He was awarded the OBE in 2002.
Young Persons’ Written Paper Prize


Dr Andrea Castrichini

Dr Castrichini has a Bachelor’s and a Master’s degree in Aerospace Engineering from the University of Rome, La Sapienza. He had his first industrial experience at MSC Software, working on projects involving structural dynamics and aeroelasticity for civil and military aerospace customers. He then completed an industrial PhD at the University of Bristol, in collaboration with Siemens PLM and Airbus, on the modelling of combined ground and aerodynamic loads, as well as the design of a folding-wing-tip device to alleviate aircraft loads. After a year as a research associate at the University of Bristol, he has joined Airbus UK as a load and aeroelastic engineer.
Journal of Aeronautical History Written Paper Prize

The Journal of Aeronautical History Written Paper Prize was inaugurated in 2018. It is awarded annually to the paper published in the Journal of Aeronautical History during the preceding calendar year that is most likely to engage and excite the widest possible community of professional and other interest and thus to exemplify the best in terms of communicating aerospace history in order to inspire future developments.


Dr Christopher (Kit) Mitchell FRAeS

Dr Mitchell is an aeronautical engineer by training, working on variable sweep projects at Vickers-Armstrongs Weybridge from 1961 to 1963, then at the Royal Aircraft Establishment from 1964 to 1973. He spent much of this time on the response of Concorde to turbulence and uneven runways. When Concorde development reduced he moved to the Road Research Laboratory/Transport and Road Research Laboratory/Transport Research Laboratory from 1970 to 1994, focusing on public transport, transport planning and the social and environmental effects of transport policies. He has been a member of the RAeS Farnborough Branch Committee since 1997 and was on the Branches Committee from 1998 to 2013. He was Chairman of the Historical Group from 2005 to 2011 and is still a member of the Committee. He has edited the Journal of Aeronautical History since its launch in 2011.

Mr Brian Payne FRAeS

Mr Payne graduated in Mathematics from Exeter University in 1952 and then completed a two-year Post-Graduate Apprenticeship with Vickers-Armstrongs at Weybridge. After working on the structural dynamics of the Valiant, Viscount, VC10 and TSR2 aircraft, in 1966 he became Chief Dynamics Engineer for both Weybridge and Filton sites. He was responsible for the structural dynamics of Concorde and, in particular, for the flutter and the response of the airframe to turbulence, landing and take-off. In 1986 he became Chief Aerodynamics Engineer at Weybridge and then in 1987 Divisional Technical Manager for the Military Aircraft Division of British Aerospace. He took early retirement in 1990. Mr Payne has been a member of the RAeS Weybridge Branch since 1952, joining the Committee in 1967. He was Chairman from 1982 until 1990.
Roll of Honour

Celebrating the winners of the world’s most prestigious and long-standing Honours, Medals and Awards.

Honorary Fellows

1917  P Y Alexander
1917  W H Dines FRS
1917  Lt Gen Sir David Henderson
1919  Captain J Laurence Pritchard
1919  Maj B F S Baden-Powell
1920  Wg Cdr T O B Hubbard
1920  Professor J C Hunsaker
1920  Maj Gen the Rt Hon Sir Frederick Sykes
1920  Air Marshal Sir Hugh Trenchard
1923  Captain J Laurence Pritchard
1926  Sir Alan J Cobham
1929  Maj Lester D Gardner
1933  Griffith Brewer
1940  Sir Frank S Spriggs
1942  Dr TP Wright
1943  E D Warner
1944  The Rt Hon Winston S Churchill
1945  Professor L Bairstow
1948  Sir Richard Southwell
1949  HRH The Prince of The Netherlands
1951  C C Walker
1952  Sir Geoffrey de Havilland
1953  Sir Francis K McLean
1953  Igor I Sikorsky
1954  Air Cdre Sir Frank Whittle
1955  H Grinsted CBE
1955  Sir Roy Fedden MBE
1955  HRH The Duke of Edinburgh
1956  Sir Henry T Tizard
1956  Lord Hives MBE
1956  Sir Andrew Ternford
1957  HRH The Duke of Edinburgh
1957  Sir Hugh L Dryden
1958  Prof J A Ackroyd
1959  Sir Andrew Ternford
1960  Sir George Edwards CBE
1960  Professor W J Duncan CBE
1961  Sir Sydney Camm CBE
1961  J D North
1962  N E Rowe CBE
1962  Sir George Gardner
1963  Sir Alfred Pugsley OBE
1963  William Littlewood
1964  Sir Denning Pearson
1964  L P Coombes CBE
1965  Sir Arnold Hall
1965  Sir Norman Short
1965  J Stack
1966  Air Commodore F R Banks OBE
1966  Sir George Dowty
1967  Professor Dr H J van der Maas
1967  Dr Barnes Wallis CBE
1968  Professor J A J Bennett
1968  Professor Dr G Gabrielli
1968  G R McGregor OBE
1969  Sir George Dowty
1970  Dr C S Draper
1970  Academician A N Tupolev
1971  Professor S Goldstein
1971  Dr Henri Coanda
1972  Dr S G Hooker CBE
1973  Dr A M Ballantyne
1973  Professor E Carafoli
1973  Professor A R Collar CBE
1973  Sir John Bell
1973  Sir James Martin
1973  D W Douglas
1974  S D Davies CBE
1975  C Abell OBE
1975  H A L Ziegler
1975  Dr E S Mout CBE
1976  Sir Keith Granville CBE
1976  Sir William Hildred OBE
1976  Sir Morien Morgan
1977  Sir William Hawthorne
1977  A A Rubbra CBE
1977  Sir Lawrence Wackett
1978  HRH The Prince of Wales
1978  Dr O Nagano
1979  HRH The Duke of Kent
1980  Sir Richard H Evans CBE
1980  Professor Dr-Ing B J Habibie
1980  HRH The Prince of Wales
1981  Dr E S Mout CBE
1982  Sir Robert Hunt CBE
1983  Dr W Tyne CBE
1983  Professor Keith-Lucas CBE
1984  Professor Dr-Ing B J Habibie
1984  Professor A D Young OBE
1985  Sir Philip Foreman CBE
1985  J F Sutter
1986  HRH The Prince of Jordan
1986  Sir Roy Sisson
1986  Sir Richard H Evans CBE
1986  Dr K G Wilkinson CBE
1987  F Cereti
1988  Dr H Ashley
1988  G P Dollimore CBE
1989  Sir Robert Hunt CBE
1990  Sir John Charnley
1990  Sir James Lighthill
1990  Air Cdre Sir Geoffrey Roberts CBE
1991  Sir Ralph Robbins
1991  Professor E J Richards
1992  Professor Dr-Ing K H Doetach
1992  Sir John Charnley
1992  G H Lee
1993  Sir Richard H Evans CBE
1993  Dr R Collette
1993  Dr H Ashley
1994  Sir Richard H Evans CBE
1994  Professor J L Stollery CBE
1994  Dr S G Hooker CBE
1994  Professor J M Cohen
1995  Sir Richard H Evans CBE
1995  Dr R Collette
1995  HRH The Prince of Wales
1995  Sir Richard H Evans CBE
1996  Sir Richard H Evans CBE
1996  Professor J L Stollery CBE
1996  Professor E J Richards
1997  N Augustine
1997  Dr R Collette
1997  E J Richards
1998  Sir Richard H Evans CBE
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2003  E J Richards
2003  Dr R Collette

Additional details on previous awards and award winners can be found on the Royal Aeronautical Society website: www.aerosociety.com/get-involved/recognition/honours-medals-and-awards/

AF – Associate Fellow
HF – Honorary Fellow
F – Fellow
AF – Associate Fellow
C – Companion
M – Member
Royal Aeronautical Society

Honorary Fellows

2003 A A D Henshaw MBE
2004 Captain E M Brown CBE
2005 Sir Michael Cobham CBE
2006 General Charles E Yeager
2006 Air Vice-Marshal Professor R A Mason
2007 A Garcia
2008 Professor B Skews
2009 W K Maciver CBE
2009 G Page CBE
2012 Ing S Pancotti

Honorary Companions

1920 Charles Alma-Baker CBE
1945 A N D Smith (ex Hon Accountant)
1950 Lord Douglas of Kirtleside
1950 Sir Alec Coryton
1957 Miss B Vyce
1958 W E Nixon
1959 Gustavus Green
1959 E C Bowyer CBE
1959 Sir William Hildred CBE
1961 Sir John N Toothill CBE
1962 M J B Stoker
1962 Miss E F Barwood MBE
1963 C H Gibbs-Smith
1963 C L Pashley CBE
1963 The Hon Mr Justice Wilberforce CMG OBE
1965 L A Wingfield
1965 T James
1965 Mrs J Bradbrooke MBE
1966 J Davison OBE
1970 H G Alston
1970 Sir Anthony Milward CBE
1971 W H Straight CBE

RAeS Gold Medallists

1909 The Wright Brothers
1910 Professor O Chanute
1915 T E Busk
1915 Professor G H Bryan
1926 Dr F W Lanchester
1927 Professor L Prandtl (HF)
1933 Sir Richard Glazebrook
1937 Juan de la Cierva (posthumously)
1945 Air Cdre F Whittle (F)
1946 Professor L Bairstow (HF)
1947 Sir B Melville Jones (F)
1950 Sir Geoffrey de Havilland (F)
1951 W G A Perring (F) (posthumously)
1952 Dr T von Kármán (HF)
1953 E F Reif (F)
1954 Sir Geoffrey Taylor (HF)
1955 Lord Hives (HF)
1956 Sir William S Farren (F)
1957 Professor J C Hunsaker (HF)
1958 Sir Sydney Camm (F)
1959 M Dassault
1960 Sir Frederick Handley Page (HF)
1962 Sir Arnold Hall (F)
1963 H Constant (F)
1964 R E Bishop (F)
1965 Professor M J Lighthill (F)
1966 Professor A R Collar (F)
1967 Dr S G Hooker (F)
1968 A A Rubbra (F)
1969 Dr D Küchemann (F)
1970 W Tye (F)
1971 Sir Marien Morgan (F)
1972 Professor A D Young (F)
1973 C Dolfus
1973 Lord Elworthy
1975 H Kremer
1975 Sir Reginald Verdon-Smith
1976 Lord Beswick
1978 J R Stantion CBE
1979 Lord Keith of Castleacre
1980 Sir Arthur Marshall OBE
1981 Sir Neil Cameron CBE
1982 Sir Douglas Lowe
1983 LC Hunting
1985 Lord King of Wartnaby
1985 F A A Wootten
1986 G Pattie
1987 Sir Norman Payne CBE
1988 Sir Colin Marshall
1989 Air Chief Marshal Sir Peter Harding
1989 M D Bishop
1990 T Mayer OBE
1991 R F Baxter
1991 Sir Adrian Swire
1992 Dr T A Ryan

1990 Professor J E Ffowcs Williams (F)
1991 Professor E G Broadbent (F)
1992 J H B Smith (F)
1993 Professor J B Scott-Wilson (F)
1994 R C N Branson
1995 Professor C J Pennycuick
1996 Professor A R Collar (F)
1997 A J Goldman
1997 R D Lathorne
1998 P Martin
1999 HE Sheikh Hamdan bin Mubarak Al Nahyan
2000 HE Sheikh Ahmed bin Saeed Al Maktoum
2002 J J Travolta
2002 R G Turnill
2003 Dr C C Kong
2004 J R Stainton CBE
2005 Sir Roger Bone
2005 D Bent
2006 Sir Michael Marshall CBE
2006 Dr G McConnell (F)
2007 P M Jarrett
2007 Sir Michael Marshall CBE
2008 Miss S Waiz

2009 Dr Henry McDonald
2009 Timothy Clark
2009 Iain G Gray (F)
2010 P M Jarrett
2010 Colonel J W Kittinger Jr
2011 Professor E Hughes
2012 Elon Musk
2012 Professor R J Parker (F)
2013 Professor K Ridgway CBE
2013 Professor R J Stalker
2014 C F Smith CBE
2014 Professor B Cheng
2015 Professor Sir Martin Sweeting OBE
2015 J-J Dordain
2016 Professor R K Agarwal
2016 Sir Michael Marshall CBE
2016 Major T N Peake CMG
2016 Dr R Bhatnagar
2017 Dr D W Richardson
2016 M J Ryan CBE
2017 Professor R Bor
2017 Major General D E Barker
2018 M Bryson CBE
2018 F R Donaldson
2018 G Wyler
2018 P Beck
RAeS Team Gold Medallists

2004 SpaceShipOne Team
2005 A380 Wing Design Team
2007 BERP IV Rotor Blade Development Team
2008 Trent 900 Engineering Team
2009 Vectored-Thrust Aircraft Advanced Control (VAAC) Team
2009 ATV Jules Verne Operations Team
2014 Project Zero Team, AgustaWestland
2015 Rosetta Mission Team, ESA
2017 Solar Impulse 2 Team
2018 Rocket Lab Rutherford Engine Team

RAeS Silver Medallists

1909 S F Cody
1921 H R Ricardo (F)
1922 Wing Commander E W Stedman (F)
1923 Wing Commander R M Hill (F)
1924 Major W S Tucker
1926 Professor B Melville Jones (F)
1927 Captain G S Wilkinson (F)
1927 P J Ralli
1927 R J Mitchell
1928 B N Wallis
1929 F H Royce
1931 H C H Townend
1932 J de la Cierva
1933 A H R Fedden (F)
1933 D L Hollis Williams (F)
1935 C C Walker (F)
1935 Major F B Halford (F)
1936 B N Wallis
1937 P A Cooke (F)
1937 F W Meredith (F)
1939 Major R H Mayo (F)
1947 W G Carter (F)
1948 I Sikorsky
1950 J Smith (F)
1950 W E W Petter (F)
1951 S B Gates (F)
1952 Dr H Sutton (F)
1953 H Grinsted (F)
1954 Professor W J Duncan (F)
1955 Dr A A Griffith
1955 Dr R A Frazer (F)
1956 Dr E S Moul (F)
1957 M B Morgan (F)
1958 Dr P B Walker (F)
1959 Dr E A Watson
1960 R H Chaplin (F)
1961 R Hafner (F)
1962 Dr D Kuchemann (F)
1962 Professor E J Richards (F)
1963 L H Bedford (F)
1964 A R Howell (F)
1965 Dr R R Jamison (F)
1965 R Stanton Jones (F)
1966 J P Smith (F)
1967 C F Joy (F)
1968 R C Morgan (F)
1969 L N Phillips
1969 W Watt
1970 E E Marshall (F)
1971 Professor J H Argyris (F)
1972 Dr J Seddon (F)
1973 W J Charnley (F)
1974 H Zeffer (F)
1975 Professor W A Mair (F)
1976 L F Nicholas (F)
1977 B O Heath (M)
1978 J C Wimpenny (F)
1979 V A B Rogers (F)
1980 R H Whitby (F)
1981 Dr W Stewart (M)
1982 L S Lawson (F)
1983 Dr E W E Rogers (F)
1984 G H Lee (F)
1985 Dr R C Lock (F)
1986 P G Wilby (M)
1987 M C Neale (F)
1988 J W H Thomas (M)
1989 R P G Collinson
1990 Professor J F Bush (F)
1991 R L Dommet
1992 Dr C M Perrier
1993 Dr C J Peel
1994 Dr M G Hall
1995 B J Main
1996 Dr P R Ashill
1997 S M Lyons (F)
1998 C Yeo (F)
1999 M Mansell (F)
2000 P W Lidell (M)
2001 Dr S S Banda
2003 A Vincent (F)
2004 G Byham (F)
2005 Professor D Southwood
2006 Professor J M Rolfe
2006 C T J Scrivener
2007 S Purdy
2008 Dr David Dorman
2009 Professor Srinivasan Raghunathan
2010 Brig Gen the Viscount De Winne
2011 Professor Terence Jones
2012 R A C Smith
2013 Professor J D Denton
2014 F B Ogilvie (F)
2014 R Saia
2015 Dr G Satheesh Reddy (F)
2016 B Phillipson (F)
2016 J K Edgley (M)
2017 Dr M Unwin
2018 Y Jayaratne (F)

RAeS Team Silver Medallists

2005 The Huygens Project Team
2006 Inmarsat-4 Satellite Team
2008 Cranfield Aerospace X-48B UAV Team
2010 Mantis UAV Project Team
2011 HYLAS Team
2012 CAMPS Development Project Team
2013 ASTRAEA Team
2014 Team Taranis
2015 The Beagle 2 Mars Mission Engineering Team
2018 RAF Youth and STEM Team
2018 Redstreak SAR System Team
RAeS Bronze Medallists

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Specialist Awards

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Flight Operations Medallists

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Flight Simulation Medallists

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Alan Marsh Medallists

1956 Sqn Ldr W R Gellatly
1958 Lt Cdr G G R Miller
1960 Flt Sgt B Breach
1961 J Brannon
1962 C T D Hosegood
1963 Wg Cdr K H Wallis
1964 K M Reed
1965 Lt Cdr J G P Morton
1966 Major R O I Woodbridge
1967 W H Sea
1968 Sqn Ldr M A McNeile
1969 J L Barnes
1970 Major H B Warburton
1971 Cdr L G Locke
1972 Captain D H Eastwood
1973 L R Moxam
1974 Captain A C Gordon
1976 Flt Lt J R A Whitney
1977 Sqn Ldr G R Spate
1978 K F Robertson
1979 Flt Lt A Pengelly
1981 Lt Cdr K N Atkin
1982 Lt Cdr N Aarnall Culliford
1983 Captain R A Lister
1984 Captain D A Creamer
1985 Captain M Betts
1987 J T Egginton
1988 Lt Cdr R I Horton
1989 S M STC Collins
1990 P J G Harper
1992 Flt Lt P A Bell
1992 Flt Lt R C J Lewis
1993 A Warner
1994 W01 P C James
1995 C W Hague
1997 A S Walls
1999 D Reid
2001 J E M Mustard
2005 A Strachan
2009 N Talbot
2011 Sqn Ldr D Marsden
2012 S Carignan
2013 Captain M R Prior
2014 Lt Cdr M A Sewed
2016 Lt Cdr R E J Dowdell

Geoffrey Pardoe Space Award

1994 J Byrne
1995 Dr R A Rowntree
1996 M J Painter OBE
1997 Professor M Cruise
1998 Dr M Fouquet
1999 C McInnes
2000 R G Farnham
2001 P Down
2002 I V Munro
2003 J Morgan
2004 Professor J L Culhane
2005 A J Thirkettle
2006 GIOVE-A Team, Surrey Satellite Technology Ltd (SSTL)
2007 UK TopSat Team, QinetiQ, Surrey Satellite Technology Ltd, Rutherford Appleton Laboratory, Infoterra
2008 Skynet 5 Space Team, EADS Astrium
2009 J Ellwood
2010 W Whitehorn
2011 A Bond
2012 P Wood
2013 J Thatchers (M)
2014 R Peckham
2015 Rosetta Flight Control & Flight Dynamics Team
2016 Major TN Peake CMG
2017 P Flanagan
2018 Rocket Lab Electron Launcher Team

Turnbuckle Award

1994 J E Humphreys
1995 A N Nash
1996 P J Adams (F)
1997 Ping Kit Chan
1998 R C 'Bob' Williams
1999 B Newton
2000 Sqn Ldr M Hepworth
2001 Wg Cdr L Reid
2002 Sqn Ldr C Chippington
2003 J Craike
2009 R W Alcorn
2010 A Barnes
2011 J M Rainbow OBE (F)
2012 M Skinner
2014 M J Adams
2015 Major M Dennis
2017 Lt Cdr D Collins

R P Alston Medallists

1949 B A G McGown
1950 F G Hemsley
1951 R J Falk
1952 P A Hufton
1953 Captain A M A Majendie
1954 M L Bergen
1955 G A V Tyson
1956 D P Davies
1957 B Lynch
1958 Mrs Anne Burns
1959 A W Bedford
1960 Wing Commander R P Beamont
1961 R P Dickinson
1962 P Howlett
1963 C F Bethwaite
1964 E B Trubshaw
1965 H G Hazelden
1966 H C H Merewether
1967 Squadron Leader C C Rustin
1968 T P Frost
1969 J G P Morton
1970 Major H B Warburton
1971 Cdr L G Locke
1972 Captain D H Eastwood
1973 L R Moxam
1974 Captain A C Gordon
1976 Flt Lt J R A Whitney
1977 Sqn Ldr G R Spate
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1981 Lt Cdr K N Atkin
1982 Lt Cdr N Aarnall Culliford
1983 Captain R A Lister
1984 Captain D A Creamer
1985 Captain M Betts
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2016 Lt Cdr R E J Dowdell

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2016 Lt Cdr R E J Dowdell
Royal Aeronautical Society

Roger Green Medallists

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Sir Robert Hardingham Presidential Sword Award

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<td>No award</td>
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<tr>
<td>2013-2014</td>
<td>Mrs C Walker (C)</td>
</tr>
<tr>
<td>2014-2015</td>
<td>Dr J K Lauber</td>
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<tr>
<td>2015-2016</td>
<td>Mr L R Balthazor (F)</td>
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<tr>
<td>2016-2017</td>
<td>Group Captain G A Woolley OBE (F)</td>
</tr>
<tr>
<td>2017-2018</td>
<td>Air Vice Marshal D C Couzens (F)</td>
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Young Persons’ Achievement Award

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
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<tbody>
<tr>
<td>2007</td>
<td>P Williams</td>
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<tr>
<td>2008</td>
<td>M Bell</td>
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<tr>
<td>2009</td>
<td>H Nobbs</td>
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<tr>
<td>2010</td>
<td>S Bidwell</td>
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<tr>
<td>2011</td>
<td>Dr G Ivetic</td>
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<td>2012</td>
<td>C Lane</td>
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<tr>
<td>2013</td>
<td>C Hutchin</td>
</tr>
<tr>
<td>2014</td>
<td>A Martin</td>
</tr>
<tr>
<td>2015</td>
<td>J Naro</td>
</tr>
<tr>
<td>2016</td>
<td>A C Godfrey</td>
</tr>
<tr>
<td>2017</td>
<td>R Patriarca</td>
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<tr>
<td>2018</td>
<td>P Haig</td>
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Young Persons’ Achievement Commendations

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<th>Year</th>
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<tr>
<td>2009</td>
<td>K Thomason</td>
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<tr>
<td>2009</td>
<td>G Cardozo</td>
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<td>2011</td>
<td>M Hartley</td>
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<td>2012</td>
<td>T Fermin</td>
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<td>2013</td>
<td>A Bagchhehsara</td>
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<tr>
<td>2015</td>
<td>R Haines</td>
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<tr>
<td>2016</td>
<td>P Pollock</td>
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<tr>
<td>2017</td>
<td>J Allen</td>
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Alan Marsh Award

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<tbody>
<tr>
<td>1997</td>
<td>N Hackett</td>
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<tr>
<td>1998</td>
<td>M Orchard</td>
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<td>1999</td>
<td>J Howitt</td>
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<tr>
<td>2000</td>
<td>A Alford</td>
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<td>2001</td>
<td>M Tucker</td>
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<td>2002</td>
<td>Dr C Harrison</td>
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<td>E Lewis</td>
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<td>2004</td>
<td>S Edwards</td>
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<td>2005</td>
<td>M Couchman</td>
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<td>2006</td>
<td>R Buchanan</td>
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<td>2008</td>
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<td>2009</td>
<td>T Wolstencroft</td>
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<tr>
<td>2010</td>
<td>L Gray</td>
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<tr>
<td>2011</td>
<td>P Langworthy</td>
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<td>2012</td>
<td>S Gates</td>
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<tr>
<td>2013</td>
<td>A Massaro</td>
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<tr>
<td>2015</td>
<td>M Kear</td>
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<td>2017</td>
<td>J Allen</td>
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Herbert Le Sueur Award

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<tr>
<td>1999</td>
<td>B Fraser</td>
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<td>2000</td>
<td>R Buchanan</td>
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<td>2001</td>
<td>J Griffin</td>
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<td>2002</td>
<td>J H Hill</td>
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<td>2003</td>
<td>V Paddock</td>
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<td>2004</td>
<td>K Robinson</td>
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<tr>
<td>2005</td>
<td>S Moffat</td>
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<td>A P Smeeton</td>
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<td>P Sozer</td>
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<td>2014</td>
<td>S Hart</td>
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<tr>
<td>2015</td>
<td>M Dunkerley</td>
</tr>
<tr>
<td>2016</td>
<td>S Clark</td>
</tr>
<tr>
<td>2018</td>
<td>P Haig</td>
</tr>
</tbody>
</table>
N E Rowe Medallists

(under 22 age group)
2017 Jamie Bignell, Yeovil Branch
2018 Myles Johnson, Bedford Branch

(22-30 age Group)
2017 Alex Godfrey, Bedford Branch
2018 Laurent Declerck, Bristol Branch

(under 25 age group)
2004 Iansteel Achunche, Southampton Branch
2005 Mark Willis, Bristol Branch
2006 Daniel Marshall, Farnborough Branch
2008 Hannah Nobbs, Yeovil Branch
2010 Mark Holton, Yeovil Branch
2011 Ulrich Walach, Solent Branch
2012 Jamie Ottaway, Boscombe Down Branch
2012 Hannah Latham, Derby Branch
2013 James Ibitson, Yeovil Branch
2014 Guillermo Durango Pascual, Cranfield Branch
2015 Charles Muir, Yeovil Branch
2016 Timothy Clark, Boscombe Down Branch

(25-30 age Group)
2004 Matt Fox, Stevenage Branch
2005 Robert Rolfe, Farnborough Branch
2006 Marc Merlin Konrad, Bristol Branch
2008 Phillip Williams, Bristol Branch
2008 Alexander Moerchel, Derby Branch
2008 Alexander Moerchel, Derby Branch
2009 Dr Ian Edmonds, Derby Branch
2011 Alicia Carpenter, Stevenage Branch
2012 Benjamin Hewlett, Stevenage Branch
2013 Filomeno Martina, Cranfield Branch
2014 Sarah Hunt, Derby Branch
2015 Simon Chiverton, Stevenage Branch
2016 Paul Mullen, Yeovil Branch

(under 23 age group)
1992 Mark Parbhoo, Manchester Branch
1993 John Liptrott, Heathrow Branch
1994 Robert Allen, Stevenage Branch
2000 Robin Dickenson, Bristol Branch
2001 Paul Clark, Manchester Branch
2001 Alex Cook, Boscombe Down Branch
1996 Jean-Christian Bordier, Toulouse Branch
1997 Michael Jump, Preston Branch
2000 Darren Ansell, Preston Branch
2002 Jennifer Goodman, Bristol Branch
2003 Tareq Nazlawy, Stevenage Branch

(23-27 age group)
1991 Y W Chan, Manchester Branch
1992 Mark Kendrew, Stevenage Branch
1993 William Crowther, Bristol Branch
1995 Benoît Massal, Toulouse Branch
1996 Jean-Christian Bordier, Toulouse Branch
1997 Michael Jump, Preston Branch
1998 Conal Walker, Stevenage Branch
1999 William Eustace, Cambrige Branch
2000 Mohammed Afsar, Bristol Branch
2001 Dr Simon Forsyth, Stevenage Branch
2002 Carl Warren, Stevenage Branch

N E Rowe Certificates of Merit

(under 22 age group)
2017 Bettina Islam, Manchester Branch
2017 Joshua Thomson-Smith, Derby Branch
2018 Chloe Molloson, Derby Branch
2018 William Eustace, Cambridge Branch

(22-30 age group)
2017 Chris Clay, Derby Branch
2017 Lucie Cordier, Stevenage Branch
2017 Colin Field, Bristol Branch
2018 Calum McFarlane, Yeovil Branch
2018 Kieran Byrne, Manchester Branch
2018 Lewis Norris, Derby Branch
2018 Isabel Vallina-Garcia, Cambridge Branch

(under 25 age group)
2004 Helen Webber, Bristol Branch
2004 Kwame Bekoe, Farnborough Branch
2005 Andrew Morley, Solent Branch
2008 Rajesh Odedra, Birmingham,
2010 Tomos Edwards, Boscombe Down Branch
2011 Jorgina Busquets, Astrium
2012 Blake Charles, Yeovil Branch
2015 Alex Cook, Boscombe Down Branch
2015 Raul González Muñoz, Cranfield Branch
2015 Richard Stephens, Cambridge Branch
2015 Vijay Trivedy, Derby Branch

(25-30 age group)
2004 Steven Dean, Farnborough Branch
2004 Sathyakummar Sharma, Manchester Branch
2010 Adam Newman, Derby Branch
2012 Christopher Moore, Yeovil Branch
2012 Jonathan Nash, South African Division
2015 Manisha Kushwaha, Cranfield Branch
2015 Charles Laing, Stevenage Branch
2016 Hania Mohiuddin, Manchester Branch
2016 David J Rajendran, Cranfield Branch

(under 23 age group)
2001 Steven W Phillips, Bristol Branch
2002 David Rose, Bristol Branch

(23-27 age group)
1998 Conal Walker, Stevenage Branch
1998 Richard Wood, Preston Branch
1999 John Mackie, Manchester Branch
2001 Dr Simon Forsyth, Stevenage Branch
2002 Carl Warren, Stevenage Branch
2003 Mohammed Afsar, Bristol Branch

2018 Honours, Medals & Awards

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