

NEW DIRECTIONS FOR AEROSPACE

THE MAA ANNUAL CONFERENCE

17 MARCH 2016



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ABOUT THE MAA

The Midlands Aerospace Alliance (MAA) was set up in 2003 and now has over 300 members. The MAA board includes senior managers from Meggitt, Moog Aircraft Group, Rolls-Royce and UTC Aerospace Systems as well as elected supply chain representatives and key regional partner bodies. The chairman since 2008 has been Clive Snowdon, Aerospace Industrial Advisor, Cooper Parry Corporate Finance.

MEMBERS DIRECTORY

The MAA member capability directory will help you identify world-class

Midlands partners and suppliers for your aerospace programmes and projects – available for on-line search and as a downloadable document published each summer.

NOT CURRENTLY A MEMBER?

As a member of the MAA you will be joining a unique organisation that supports companies in the Midlands to develop new aerospace technologies, improve their competitive performance and win new business. Companies outside the Midlands are welcome to join the MAA as associate members.

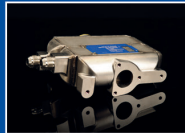
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midlands aerospace alliance



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Welcome to the MAA Annual Conference



As Midlands Aerospace Alliance chairman, I am delighted we are holding our 2016 MAA conference at the Lloyds Bank Advanced Manufacturing Training Centre (AMTC) at Ansty Park this year, in the heart of the major local aerospace cluster in Coventry and Warwickshire, supported by UTC Aerospace Systems.

We held our first two conferences in the aerospace city of Derby, supported by Derby City Council and Rolls-Royce. Last year's conference was in another Midlands aerospace city, Wolverhampton, supported by Wolverhampton City Council, UTC Aerospace Systems and Moog Aircraft Group.

At each of our previous three events, we asked leading figures from the industry to present their analysis of the current state of the

aerospace sector in the UK and globally, and to share their insights into what the future may hold for our 300 member companies. Conference participants can expect the same excellent cutting edge information this year. We are very pleased indeed that one of our keynote speakers is the president of Airbus in the UK, Paul Kahn. We have other presenters from leading UK and global companies including GE Aviation, GKN Aerospace, Rolls-Royce and UTC Aerospace Systems.

The aerospace industry continues to globalise, with new entrants in countries from Japan to Russia and China launching new aircraft programmes, and supply chains for aircraft components now extending around the world. It is vital we act together to ensure we don't accidentally 'hollow out' our aerospace supply chains in the UK. The experience of the car industry, which has had precisely

this problem, is a salutary example for us.

We at the Midlands Aerospace Alliance are therefore delighted that our national Aerospace Growth Partnership (AGP) is now planning to increase its focus on how we retain and grow the UK supply chain's share of expanding global markets. At the conference we will hear directly from AGP chairman Marcus Bryson, and all our speakers – and you – will also be helping us address the question 'How do we grow the UK aerospace supply chain? – identifying the barriers, investing in solutions.'

I welcome you all to participate in this, one of the highlights of the regional aerospace calendar. Come and learn, come and contribute, come and network with other industry professionals.

Clive Snowdon
Chairman
Midlands Aerospace Alliance

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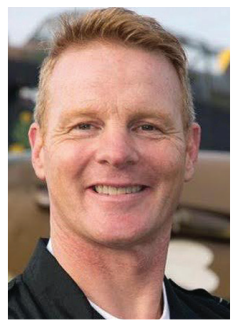


BRONZE



THE MAA ANNUAL CONFERENCE 2016

OUR KEYNOTE SPEAKERS



Group Captain Jez Attridge **OBE MSc RAF**

**Officer Commanding,
Royal Air Force Coningsby**



Jez Attridge flew the Panavia Tornado F3 policing the No Fly Zone over Bosnia and on the UK's Quick Reaction Alert duty in Scotland and the Falkland Islands. On a three-year exchange with the United States Marine Corps, he flew the McDonnell Douglas F/A-18 Hornet from the USS *Abraham Lincoln* and USS *John C Stennis*.

Posted to 3(F) Squadron, the first RAF Eurofighter Typhoon unit (and honorary member of the Midlands Aerospace Alliance), he oversaw the squadron's activation and Typhoon's first overseas deployment. Assuming command of No XI Squadron, he was deployed to support Operation ELLAMY over Libya, in the Typhoon's operational debut in both the air-to-air and air-to-surface roles. Both squadrons are based at RAF Coningsby in Lincolnshire.

Since 2014, Jez has been Station Commander, RAF Coningsby – where 3,000 personnel work. He is Hurricane and Spitfire qualified – the Battle of Britain Memorial Flight is located at Coningsby – and in 2015 featured in the BBC Two documentary series *Britain's Ultimate Pilots: Inside the RAF*.



David Bailey

**Professor of Industrial Strategy,
Aston Business School**



Prof Bailey is a specialist on economic restructuring and industrial policy with particular expertise in UK and West Midlands car manufacturing.

As an author, media commentator and newspaper columnist, David has commented on key economic and regional policy issues. Recently, he has undertaken European-funded research on using foreign investment to upgrade clusters, and on industrial and regional policy and the rise of 'phoenix' industries such as the low carbon vehicles cluster in the West Midlands.

He has worked with SQW Consulting on a project for the Department for Business, Innovation and Skills (BIS) on developing a framework to assist Local Enterprise Partnerships (LEPs) in responding to economic 'shocks' and restructuring.



Marcus Bryson CBE

**Chairman for Aerospace,
UK Department of Business,
Innovation and Skills (BIS),
and Chairman,
Aerospace Growth Partnership**



After a 30-year career in aerospace, Marcus joined BIS this January to chair its Aerospace hub, a new role to promote exports and inward investment into the UK industry.

Marcus retired as chief executive of GKN Aerospace at the end of 2015. He had joined the company with its acquisition of Westland in 1994. Since 2006, he had been chief executive and a member of the executive committee. He was appointed to the board of GKN plc in 2007.

Marcus served as president of ADS in 2014-15, and continues as co-chairman of the Aerospace Growth Partnership (AGP).

He was awarded a CBE in June 2014 in recognition of his services to aerospace.



David Danger

**Managing Director,
UTC Aerospace Systems –
Marston Aerospace**



David joined United Technologies in 2008 and is managing director of Marston Aerospace, which employs 350 people in Wolverhampton and 100 people in Kalisz, Poland. The business designs, tests and manufactures heat exchangers and fluid management products for the aerospace and motorsport industries.

Prior to joining United Technologies, David spent more than 20 years in manufacturing and management positions in aerospace, automotive and construction materials with Federal-Mogul, GKN plc and Saint-Gobain.

He has a degree in engineering from University of Cambridge and an MBA from University of Sunderland. He is a chartered engineer, a fellow of the Institution of Mechanical Engineers and a director of the Midlands Aerospace Alliance.

THE MAA ANNUAL CONFERENCE 2016

AGENDA

08.00	Registration, refreshments and networking
09.00	CONFERENCE OPENING
	<ul style="list-style-type: none">→ Clive Snowdon, Chairman, Midlands Aerospace Alliance <i>Welcome</i>→ Jeegar Kakkad, Chief Economist and Director of Policy, ADS <i>Aerospace prospects in a global economic context and global aerospace outlook</i>→ Oliver Towers, President, GE Aviation Dowty Propellers and Chairman, AGP Strategy Working Group <i>Trends in aerospace: global and UK perspectives</i>→ Andy Page, Chief Executive, Sharing in Growth and Chairman, NATEP National Steering Board <i>What aerospace suppliers need to do and how SiG can help them do it</i>→ Dr David Williams, Composites Consultant, Heraeus Noblelight <i>NATEP project: Xenon flashlamp heating for composites manufacture – initial concept to full technology demonstrator</i>→ Rosie Toogood, Executive Vice-President, Compressor Components, Rolls-Royce <i>Working together to deliver a competitive supply chain</i>
11.00	Refreshments and networking

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11.30	<ul style="list-style-type: none"> → David Bailey, Professor of Industrial Strategy, Aston Business School <i>The Midlands manufacturing economy and its supply chains</i> → Marcus Bryson CBE, Chairman for Aerospace, UKTI-BIS and Chairman, Aerospace Growth Partnership <i>How we can all play our parts in growing the supply chain</i> → Finance workshop, sponsored by NatWest <i>Merger and acquisition in the aerospace supply chain:</i> Glynn Bellamy, Partner, Deal Advisory - Transaction Services, KPMG Brian Murphy, Managing Director, Meridian Capital
13.00	Lunch and networking
14.00	<ul style="list-style-type: none"> → Paul Kahn, President, Airbus Group UK and President, ADS <i>Trends in global and UK aerospace: an Airbus perspective</i> → Jim Godman, Vice President Engineering Function, GKN Aerospace and Chairman, NATEP South West Regional Advisory Panel <i>How large and small companies can compete on technology</i> → Kevin Cooke, Senior Manager – Research & Technology, External Technical Affairs, Miba Coating Group. Teer Coatings Ltd <i>NATEP lubricates new routes to dry drilling</i> → David Danger, Managing Director, UTC Aerospace Systems - Marston Aerospace and Director, MAA <i>Responding to the global competitive environment</i> → Group Captain Jez Attridge OBE MSc RAF, Officer Commanding, RAF Coningsby <i>Flying frontline fighter aircraft</i>
16.15	Refreshments and networking



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OUR KEYNOTE SPEAKERS



Jim Godman

**Vice-President, Engineering Function,
GKN Aerospace,
and Chairman, NATEP South West
Regional Advisory Panel**



Jim has wide experience of leading and building successful cross-sectoral teams with government, academia, industry and the wider public sector, building on service in the military, public and private sectors.

In addition to his role at GKN, he is a UK Government national judge for the Make it in Great Britain campaign, chairman of the South West Regional Advisory Panel (SWRAP) for NATEP, chairman for two years of the National Composite Centre (NCC) and a fellow of the Royal Aeronautical Society.

Passionate about engineering, Jim is also trying to make a film, Cody the Movie, and to establish the Engineering Oscars (EOs) to celebrate the creators in society.



Paul Kahn

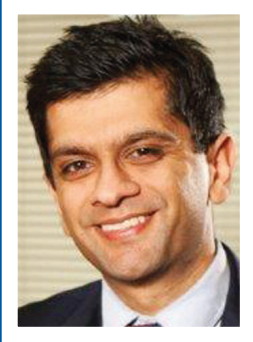
**President,
Airbus Group UK,
and President, ADS**



As president of Airbus Group UK, Paul is responsible for the UK business, providing leadership, oversight and coordination of Airbus Group's activities and strategy in the UK. He is also responsible for the development of the Group's strategic industrial partnerships within the UK, key customer relationships, and enhancing Airbus Group's relationship with the British government.

Paul was appointed a UK Business Ambassador in November 2015 and became president of ADS, the UK's aerospace, defence, security and space trade body, in January 2016.

A chartered engineer with an MBA from London Business School, he joined the group from Thales in 2014, bringing extensive international senior management experience in the aerospace, defence and transportation industries.



Jeegar Kakkad

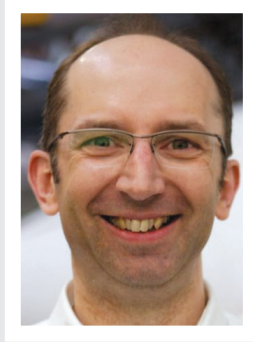
**Chief Economist and Director of Policy,
ADS**

Jeegar joined ADS in 2013 in his current position, where he manages the policy, media and government affairs team. He joined from Jaguar Land Rover (JLR), where he was UK Government Affairs manager leading tax, regulatory and supply chain finance campaigning and managed JLR's political visits programme.

Before that, he was a senior economist at EEF, leading macroeconomic forecasting and innovation, taxation and enterprise policy lobbying.

Jeegar also worked at The Social Market Foundation, a London-based think tank, and at The Brookings Institution, in Washington DC.

Jeegar holds degrees in economics from Princeton University and in economic policy from the London School of Economics.



Andy Page

**Chief Executive,
Sharing in Growth UK, and Chair,
NATEP National Steering Board**

Andy Page spent more than 25 years with Rolls-Royce in senior engineering and supply chain management roles, including purchase director for Rolls-Royce's German division. His early career was in military aerospace in roles including chief engineer for the RB199 engine for the Panavia Tornado and project executive for Helicopters.

He currently heads Sharing in Growth, a £250m programme of intensive supplier development, supported by Rolls-Royce and the Regional Growth Fund, to help accelerate growth in the aerospace sector.

He is also chair of the National Aerospace Technology Exploitation Programme (NATEP) steering board and a member of the national SC21 steering committee.


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OUR KEYNOTE SPEAKERS



Rosie Toogood

**Executive Vice-President,
Compressor Components,
Rolls-Royce**

 Rosie joined Rolls-Royce in 1992 and became executive vice-president Compressor Components in June 2015.


Early in her career, she worked in Indirect Purchasing and Rolls-Royce's Nuclear business. She spent three years in Berlin as programme director for the V2500 engine, followed by five years in the Controls Supply Chain unit where she led the Purchasing organisation. She then joined the Civil Large Engines business as programme director for the Trent 900 engine. Prior to her current position, she was executive vice-president Purchasing.

She holds an honours degree in chemistry with materials from Liverpool University and an MBA with distinction from Birmingham University. She is also a chartered accountant.



Oliver Towers

**President, GE Aviation Dowty Propellers
and Chairman,
AGP Strategy Working Group**

 Oliver was appointed to his current role in 2015, which includes product responsibility for Dowty Propellers and Hamble

Aerostructures in the UK, and GE Aviation's Santa Ana operation in the USA. He has been president of Dowty Propellers since 2008. Prior to that he was vice-president Strategy & Customer Accounts for GE Aviation Systems, a position that he previously held in Smiths Aerospace.

Before joining Smiths Aerospace, he held senior positions with Rolls-Royce in Europe and the USA. Oliver chairs the Strategy Working Group of the Aerospace Growth Partnership (AGP) and is president of the Gloucester and Cheltenham branch of the Royal Aeronautical Society.

Notes



Our venue

The Lloyds Bank Advanced Manufacturing Training Centre



The Lloyds Bank Advanced Manufacturing Training Centre (AMTC) is the latest showpiece facility to open on the Coventry campus of the Manufacturing Technology Centre (MTC).

The £40.5m centre opened last September with £18m of initial funding from the Department of Business, Innovation and Skills (BIS), to be matched by industry, to develop the next generation of manufacturing engineers and technicians.

Lloyds Banking Group pledged £1m a year to support its work. The AMTC hopes to develop more than 1,000 apprentices and trainees through the initial partnership with the bank.

The AMTC building is the UK's first national college, a flagship facility for advanced apprenticeship programmes. Its location next to the pioneering MTC links the development of world-class manufacturing technology with the development of people.

The AMTC is also making a name as a state-of-the-art conference venue with lecture theatres, meeting and exhibition spaces, all supported by cutting-edge technology.

For information on all MTC campus facilities, please contact events@the-mtc.org



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