

2022 ICAO STOCKTAKING



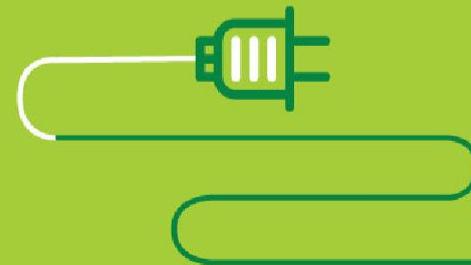
SPEAKERS PROFILES

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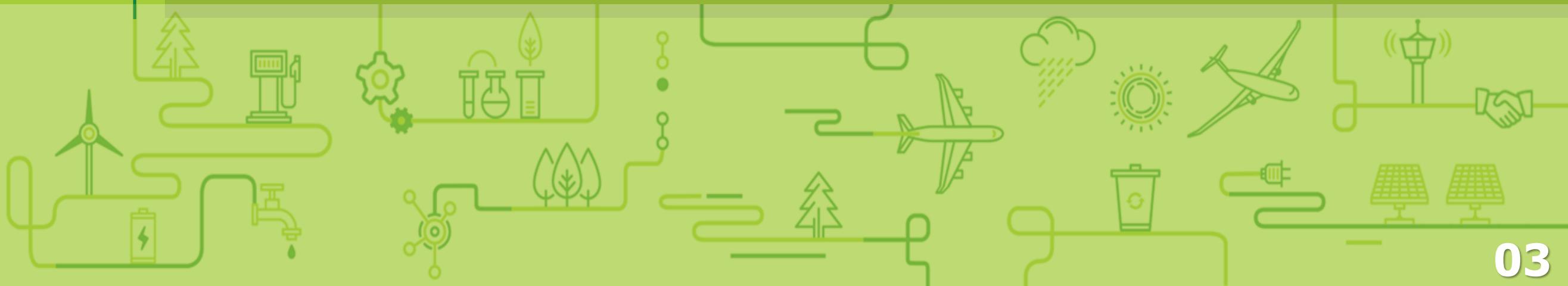
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Morning Session

Session 1: Opening and Introduction





Juan Carlos Salazar
Secretary General, ICAO

Mr. Juan Carlos Salazar is the Secretary General of the International Civil Aviation Organization (ICAO). He was first appointed for a three-year term starting August 2021.

Prior to his appointment as Secretary General, Mr. Salazar served as Director General of Aeronautica Civil of Colombia – Aerocivil. For the twelve years previous to joining Aerocivil, Mr. Salazar was a Senior Advisor to the UAE General Civil Aviation Authority.

His professional experience also includes terms as the President of Latin American Civil Aviation Commission (LACAC), Secretary of the Colombian Civil Aviation Board and Director of its Air Transport Office, Director General of Air Transport at the Colombian Ministry of Transport, Corporate Secretary and Director of the Legal Department of Tampa Cargo (currently known as Avianca Cargo).

Mr. Salazar earned advanced degrees from Harvard University (Master in Public Administration - MPA) and McGill University (Master in Air and Space Law - LLM). He is fluent in Spanish, English and French, and speaks Arabic.



Gareth Rogers

CEO, Farnborough International

Gareth joined Farnborough International Limited at the start of 2018 on the brink of the company opening its brand new £34m exhibition and conference centre.

Since then, Gareth has successfully overseen the full opening of the new venue facility, the staging of the 2018 Farnborough International Airshow and the development and imbedding of a new growth strategy for the company that will see it become a year-round events organiser, developing pioneering and innovative business opportunities across the aerospace, defence and conferences and events industries. He has a keen focus on customer service and ensuring that all interactions with Farnborough International are positive ones.

Prior to his joining Farnborough International, Gareth spent more than six years with Southampton Football Club, first as Chief Financial Officer before being promoted to Chief Executive in 2014. Under Gareth's leadership Southampton FC saw a significant rise in turnover and considerable commercial success.

In 2015, Gareth was named 'Director of the Year for Large Companies' (London and South East) by the Institute of Directors.



Dirsha Bohra

Co-Founder of Sustainable Aviation Youth Foundation (SAYF)

Sustainable Aviation professional focused on being a catalyst in the mission to decarbonize aviation and successfully mitigate climate change. Skilled in Environment Affairs, Action Plan Analysis and Operational Planning & Management. Well-versed with creating performance reporting/visualization tools, market research and data analysis. Proven leadership, organisation and communication skills, driven towards: economic and policy regulation, market insight in zero emission aviation technology, sustainable air transport development and carbon mitigation. Strong business development skills with a Masters in International Air Transport Operations Management and an established background in Aeronautical Engineering.

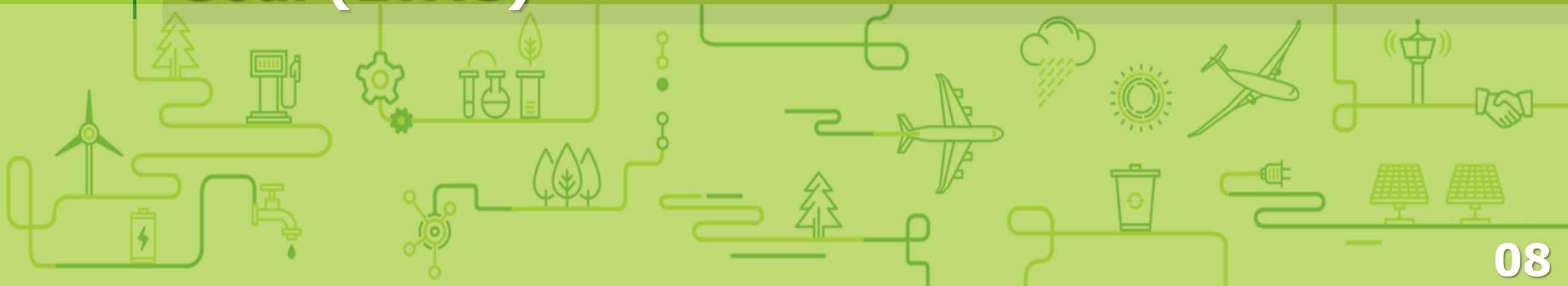


Mohamed Rahma - Moderator
Director, Air Transport Bureau, ICAO

Mr. Mohamed Khalifa Rahma assumed his position as Director, Air Transport Bureau, of the International Civil Aviation Organization (ICAO) in April 2020. Before his appointment, Mr. Rahma was the Regional Director of the ICAO Middle East Regional Office since March 2016. The current work portfolio of Mr. Rahma covers a wide range of global aviation domain including Air Transport, Aviation Security and Facilitation and Environmental protection. He is currently the Secretary of the Council Aviation Recovery Task Force (CART). During his tenure in ICAO Middle East Office, he was instrumental in strengthening regional and inter-regional collaboration in aviation industry. This effort included enhancing risk awareness and response, promoting technologies while fostering new innovations, and improving oversight and quality assurance. Mr. Rahma continues to significantly increase cooperation among member States, international and Regional organizations. Prior to Joining ICAO, Mr. Rahma was the Undersecretary of International and Internal Affairs at the Ministry of Civil Aviation of Egypt and previously the advisor to the Egyptian Minister of Civil Aviation. During his tenure at the Egyptian government, Mr. Rahma played a substantial role and led influential projects that actively supported and enhanced aviation capacity and efficiency in Egypt. He developed cooperative relationships with government bodies and investors while paving the way for future business partnerships and opportunities. Mr. Rahma was a board member of various companies including Cairo Airport Company, Aerotel Company and EMAC Aqaba Company and chaired many strategic committees under the umbrella of the Ministry of Civil Aviation for special projects. He led and participated in many high level national and regional committees. Mr. Rahma has 30 years of aviation experience in various fields including aviation management, airline management, operation, safety, training, corporate communication, and crisis management. He holds a Master's Degree in Aviation Management and speaks fluent English and Arabic.

Morning Session

Session 2: Journey Towards Aviation Decarbonization and Long-term Aspirational Goal (LTAG)





Massimo Tavoni

Professor of Climate Economic Modeling, Politecnico di Milano and Director, RFF-CMCC European Institute on Economics and the Environment

Massimo Tavoni is full professor of climate change economic modeling at Politecnico di Milano, and director of the European Institute on the Economy and the Environment (EIEE), a partnership between Resources for the Future and the Fondazione CMCC. Till 2018, he coordinated the climate programme at Fondazione Eni Enrico Mattei. He has been fellow at the Center for Advanced Studies in Behavioural Sciences at Stanford University, and post doctoral fellow at Princeton University. His research is about climate change mitigation policies, and has appeared in major scientific journals. He is a lead author of the IPCC (5th and 6th reports), co-directs of the International Energy Workshop and was deputy editor for the journal 'Climatic Change'. He has been awarded two grants from the European Research Council (ERC) and has coordinated several international research projects. He has advised several international institutions on climate change, including the OECD, the Asian Development Bank, the World Bank.



Neil Dickson

Chief, Environmental Standards, ICAO

Neil Dickson is the Chief of the Environmental Standards Section of ICAO, which develops ICAO Standards and Recommended Practices (SARPs) related to Environmental Protection, conducts quantitative studies and assessment of environmental benefits, and provides guidance on aircraft noise and emissions. Neil is an Aeronautical Engineer and previously worked for QinetiQ and AEA Technology in the UK. He worked on civil and military aircraft performance projects, including civil aircraft technology assessments, studies into aircraft NO_x reduction and on the development of the ICAO aircraft CO₂ Standard. Neil also has a Ph.D in Atmospheric Chemistry from the University of Cambridge, which focused on the formation of contrails and civil aviation induced cirrus clouds.



Haldane Dodd

Executive Director, Air Transport Action Group (ATAG)

Haldane Dodd is Acting Executive Director at the Geneva-based Air Transport Action Group (ATAG). This organisation, the only global grouping of players from across the aviation industry, brings together airports, airlines, air navigation service providers and aircraft and engine manufacturers to agree common goals. ATAG's current mission is to provide a platform through which the aviation sector is working to reduce its climate change impact. ATAG works with funding members ACI, IATA, CANSO, Airbus, ATR, Boeing, CFM, GE Aviation, Pratt & Whitney, Rolls-Royce and Safran to ensure aviation is able to respond to global decarbonisation and sustainability objectives. Previously, Haldane was Head of Communications and Advocacy at ATAG and Communications Manager with Airports Council International World headquarters where he worked on issues such as the environment, security and airport economics. A British native, Haldane also holds New Zealand citizenship and started his aviation career at the listed company Auckland International Airport Limited, which runs New Zealand's busiest airport. He has a background in broadcast media and holds a Bachelor of Communications Studies.



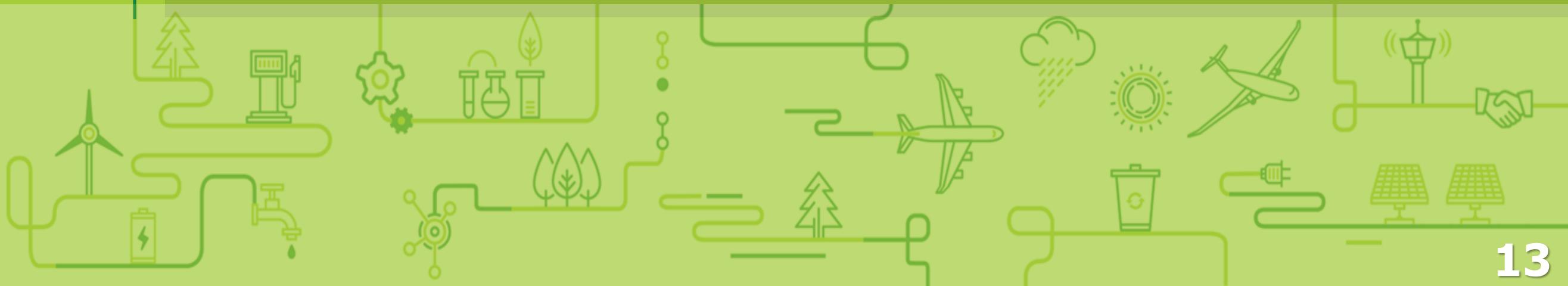
Tim Johnson

Director of Aviation Environment Federation, International Coalition for Sustainable Aviation (ICSA)

Tim is Director of the Aviation Environment Federation (AEF), a UK-based NGO campaigning on aviation’s impacts for people and the environment. He is a lead representative for the International Coalition for Sustainable Aviation which represents civil society organisations at the International Civil Aviation Organisation, specifically ICAO’s Committee on Aviation Environmental Protection. Tim co-led CAEP’s expert group responsible for drafting CORSIA’s emission unit eligibility criteria, and continues to lead the support group for ICAO’s aviation emissions calculator. In the UK he sits on the Department for Transport’s Jet Zero Council.

Morning Session

Session 3: Accelerated Pace of Aviation Commitments





Emile Arao

Director General, Kenya Civil Aviation Authority, Kenya

Mr. Emile Nguza Arao is a passionate aviation specialist, pilot and engineer, with over 20 years of aviation experience in different operational areas.

Emile is a highly talented and accomplished Aviation Professional holding his Bachelor of Science Degree in Aircraft Engineering Technology, his Master's Degree in Business Administration in Aviation, with a specialization in Aviation Systems Management; both obtained from Embry Riddle Aeronautical University (U.S.A.).

He has also worked as an Airframe and Powerplant (A&P) mechanic and holds a Kenyan and USA Commercial Pilot License (CPL) with Multi-engine and Instrument Ratings. He is also a certified Government Safety Inspector (GSI) in Aircraft Operations and Airworthiness. Emile has worked in several capacities in the aviation management and aerospace industry but most notably with East Africa Safari Air Express Ltd, Air-Tec Africa, Skyward Express Airline, Safarilink as pilot cum Manager and KCAA as a GSI Airworthiness inspector.

Before his current appointment, Mr. Arao served as the Executive Director at the East African Community - Civil Aviation Safety & Security Oversight Agency (EAC - CASSOA).

He steered the organization to become the No.2 Regional Safety Oversight Organization (RSOO) globally as ranked by the International Civil Aviation Organization (ICAO).



Rannia Leontaridi OBE FRSA

Director General, Aviation, Maritime and Security Group in the Department for Transport (DfT), United Kingdom

Rannia joined the Department for Transport to be the new Director for Aviation and the Director General for Civil Aviation for the UK. After two years in that role, she has now moved on to be the Director General for Aviation, Maritime and Security. Over the previous three years Rannia was the Director for Business Growth, leading Government's policy on entrepreneurs, small businesses, but also new and emerging high growth and technology businesses. She devised and implemented the UK's first AI strategy and secured a £1bn AI sector deal in a partnership between the private sector, government and academia. She created and became the first Director for the Office for Artificial Intelligence for Her Majesty's Government and led the Industrial Strategy Grand Challenge on Artificial Intelligence. Prior to BEIS she led teams in the Cabinet Office, No10 Strategy Unit, and Defra in policy, strategy and commercial roles, including leading the development of more than 100 employee-owned private sector businesses, and was the Co-Founder and Director HMG Shareholder at Crown Hosting Data Centres, a joint venture between UK Government and Ark Data Centres. Rannia started life as an entrepreneur and later became an Assistant Professor in Economics. She received an OBE for public service in 2016 and is a Carnegie Scholar in Economics and a Fellow of the Royal Society for the Arts. Rannia is married with one daughter, loves to travel, and is a runner, and a "maker" in her spare time.



Stefan Bickert

Policy Officer, CAEP Member of Germany, Germany

Stefan works in the Department of Aviation of the Federal Ministry for Digital and Transport in Germany. He is responsible for the departments work on environmental and climate protection in aviation at international level as well as on European and domestic level. Stefan is the ICAO CAEP Member for Germany.

Before working for the Government of Germany, Stefan has worked at ICAO (2014-2018) in Environment, Air Transport Bureau. He has started working in research at a university and a research centre focussing on sustainable transport and electric mobility. Stefan has studied Ecological Economics.



Anjan Ray

Director, CSIR – IIP, India

Anjan Ray received his Doctorate in Chemistry from the University of Pennsylvania and worked thereafter for over 25 years in the Chemicals and Energy Industries across functions ranging from R&D and Marketing to General Management and Corporate Strategy. He took up his current position as Director, CSIR-Institute of Petroleum, Dehradun, India in November 2016, and is also entrusted with additional charge of CSIR-Central Building Research Institute, Roorkee.

Dr. Ray is the chair of national-level subcommittees for Fuels Test Methods and Lubricants and Greases at the Bureau of Indian Standards. He is a long-standing active member of India's Working Group on Biofuels, has led a national committee on Aviation Biofuel Standards and spearheaded the team at CSIR-IIP that has produced over 9000 liters of sustainable aviation fuel for more than 60 hours of civilian and military demonstration flights in India to date. His professional interests have spanned fields as diverse as surfactants, lubricants, oil and gas, energy efficiency, biofuels, biotechnology, sustainable supply chains and renewable energy policy.



Daniel NG

Chief Sustainability Officer / Director (Air Transport), Singapore

Daniel first joined CAAS in 2004, and handled various portfolios ranging from corporate planning, policy development, to managing Singapore's aviation relations with other countries.

Appointed Division Head of Aviation Industry Division in 2010, Daniel oversaw the development of new programmes such as the Aviation Development Fund and Air Transport Industry Transformation Map to boost productivity, grow businesses as well as attract and develop manpower for the aviation sector. Daniel also oversaw the Unmanned Aviation Programme Office, which was formed to help shape the development of the unmanned aviation sector in Singapore.

Daniel was appointed Director of the Air Transport Division in 2017. He develops and implements policies to promote a vibrant and sustainable aviation eco-system and build a competitive air hub for Singapore.

In 2022, Daniel was concurrently appointed as the Chief Sustainability Officer, to develop, implement and review domestic and international climate change targets, policies and strategies across CAAS and the Singapore aviation eco-system. Daniel received his undergraduate education at Dartmouth College in New Hampshire, USA, where he graduated magna cum laude with a double major in Economics and Government.



Maryam Ali AlBalooshi

Manager – Environment Aviation Safety Affairs Airworthiness, CAEP Member of UAE, United Arab Emirates

Eng. Maryam Al-Balooshi is the first Arab expert in the field of Aviation Environment started in 2006, to become the founder of Aviation Environment in UAE and the region. One of the First expert in the world seconded to the Department of Environment in the International Civil Aviation Organization (ICAO) in 2010. Environment Manager at the General Civil Aviation Authority (GCAA) of United Arab Emirates since 2010.

In March 2015 Maryam received, Arab Women Award- as a young talent. The Middle East Leadership of Excellence Award- Leader in Aviation from the American Association of leaders endorsed by GCC Economic Chamber- 2015. In 2019 she were selected by USA State Department and with the Endorsement of UAE Ministry of Foreign Affair to represent UAE in “International Visitors Leadership Program- Empowering women in STEM and Art.

In 2020, selected by Van Cleef and Arpels for the first time ever in their history to introduce a calligraphy artwork based on the region’s values marrying their values as well introducing “The flowers of Values” artwork. In 2021 Collaborated with BMW in creating a story art work to present the limited edition of X7 for UAE 50 Anniversary



Dan Williams

Senior International Advisor (FAA), United States

Dan Williams is currently the Senior International Advisor for the Federal Aviation Administration's Office of Environment and Energy. In this role, he serves as the coordinator for all of FAA's international environmental activities, both bilaterally and multilaterally at the International Civil Aviation Organization (ICAO) Committee on Aviation Environmental Protection (CAEP). Dan also serves as the lead advisor on policy and technical matters related to the development and implementation of ICAO's market-based measure to address GHG emissions from international aviation, the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA). Dan is a nominated expert to ICAO CAEP Working Group 4 (WG4) and Fuels Task Group (FTG), where he is responsible for developing and drafting international Standards and Recommended Practices (SARPs) used by all ICAO Member States to implement CORSIA.

Before joining the FAA, Dan practiced environmental law in Washington D.C., focusing on mobile-source emissions as well as biofuels and low-carbon financing. Dan received undergraduate degrees in journalism and history from the University of Nebraska-Lincoln and a law degree, with honors, from Vermont Law School



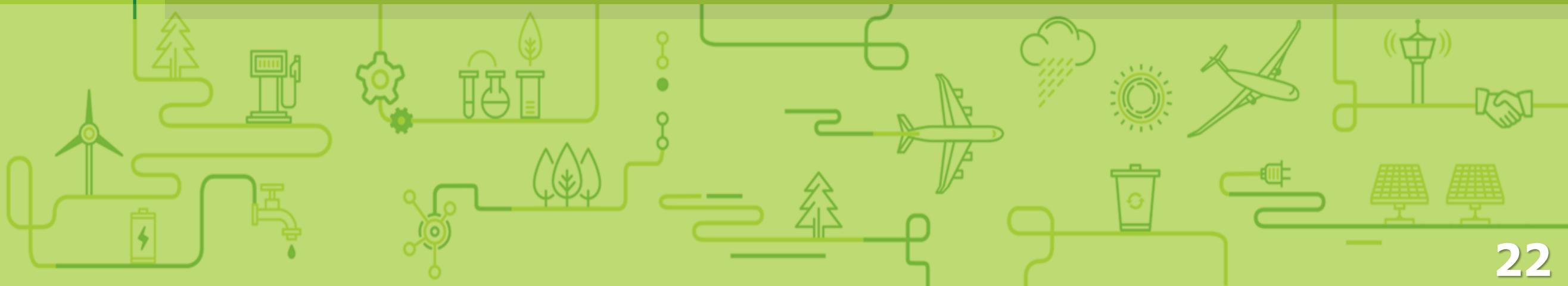
Marie Hankanen

Senior Environmental Expert, CAEP Member of Sweden, Sweden

Marie Hankanen is the acting Swedish member of CAEP since 2013, and she is working for the Swedish Transport Agency on topics related to Aviation and the Environment. She has more than 35 years of experience of how transport can impact the environment and how to mitigate that impact.

Morning Session

Session 4: Aircraft Technologies: Systemic Changes Through Innovative and Novel Solutions





Val Miftakhov

CEO, Zeroavia

Val Miftakhov, ZeroAvia Founder and CEO, is a serial cleantech entrepreneur who knows how to scale technology for use by existing transportation industries. Val's previous venture, eMotorWerks, developed smart vehicle-grid integration hardware and software, and was acquired in 2017. eMotorWerks' JuiceBox Smart EV charging station is the best selling product in its category in the United States for the last 5 years. Before eMotorWerks, Val held executive business strategy & operations positions at Google, McKinsey & Company, and Nielsen. He also launched and managed three startup companies, in all of which he held the CTO positions. Prior to his industry experience, Val was a high energy physics researcher at Stanford Linear Accelerator, a Department of Energy facility. Val received his PhD in Physics from Princeton University and his MS in Physics from Moscow Institute of Physics and Technology. He was a two-time winner of the Nationwide Russian Physics Competitions. In whatever spare time he gets, Val tries to get good use out of his airplane and helicopter pilot licenses.



Jaume Marcos

Vice President & Head of Airbus Technology Planning and Roadmapping, Airbus

Jaume is responsible for Airbus Technology Planning and Roadmapping. His main activities include Research and Technology Portfolio Management, multiyear Operational Plan preparation, Technology Valuation and Technology Roadmapping across all Airbus Divisions. He is a member of Airbus Aviation Environmental Roadmap Steering Committee. Previously Jaume was VP Head of Strategy Development and Portfolio of Airbus Defence & Space. Prior to this he worked as Sales Director for various export campaigns and held several positions in Marketing & Sales, Business Development, Strategy and Engineering. He has worked and lived in Munich and Madrid. Jaume has a B.Sc. and M.Sc. in Aerospace Engineering in Polytechnic University Madrid, with a specialization in Fluid Mechanics and Propulsion.



Andrew Cummins

Director, Strategy and Business Development, Archer

Andrew Cummins is the Director of Strategy and Business Development at Archer, which is developing an all-electric VTOL aircraft to provide fast, sustainable and safe aerial transportation to people in cities around the world. In his role, Andrew leads the company's Go-to-Market strategy, develops partnerships to build the Urban Air Mobility (UAM) ecosystem and collaborates with cities to seamlessly integrate UAM operations into communities around the world.

Prior to joining Archer, Andrew held numerous leadership roles in both corporate and start-up environments. Most recently, he was the Director of Americas at Skyports, where he partnered with cities and aircraft manufacturers to bring UAM landing infrastructure to market. Prior to Skyports, Andrew worked at Rolls-Royce where he served as Chief of Staff to the CEO while leading global corporate initiatives and also led Growth Strategy and Business Development teams. Andrew started his career at Boeing in Strategy and Finance.

Andrew attended the University of Missouri where he graduated Summa Cum Laude with a double major in Business Administration and International Studies. He also received two master degrees: an MBA from Indiana University and a Master of International Management from Thunderbird School of Global Management at Arizona State. In his free time he likes to explore the fantastic wine in Napa and Sonoma. He looks forward to taking an Archer aircraft to Napa in the future to skip the traffic!



Scott Goobie

Director Engineering, Bombardier

With more than 30 years of experience in aircraft development, Scott is an Engineering Fellow for Aircraft Integration and Product Environmental Performance at Bombardier. He was responsible for the development of Global 5500 and Global 6500 aircraft, which recently won a Top Flight Award from Aviation International News as the best new aircraft of 2020. He has also led various Integrated Product Development Teams (IPDT) and has held a variety of engineering technical and management roles including:

- Dash 8 100, 200, 300 and Q400 de Havilland Powerplant Engineering Section Chief;
- Transport Canada Powerplant Design Approval Delegate (DAD)
- Engineering Director for the de Havilland Dash 8 and Q400 IPDT
- Head of Engineering for the Canadair Regional Jet
- Senior Director for the Global business jet; and
- Engineering Vice-President for the Global product line.

In May 2022, Scott was nominated as Chair of the Sustainability Committee at the Aerospace Industries Association of Canada and is also a member of the General Aviation Manufacturers Association Environment Committee. Scott earned a Bachelor's degree in Mechanical Engineering from the University of New Brunswick in 1984 and a Master's degree in Aeronautical Engineering from Carleton University (1989). He received a Canadian Natural Sciences and Engineering Research Council scholarship in 1986-1989 for postgraduate studies in turbomachinery research.



Roman Seele

Aviation Senior Program Manager, Electrified Powertrain Flight Demonstration (EPFD), GE Aviation

Roman leads GE's Hybrid Electric Altitude Testbed (HEAT) Program, which is part of NASA's Electrified Powertrain Flight Demonstration (EPFD) project. GE is developing an integrated, megawatt-class hybrid electric propulsion system for flight tests later this decade that will pave the way toward hybrid electric propulsion concepts for the next generation of aircraft. Previously, Roman worked in GE's transient performance and operability team. Before joining GE, he conducted research on active flow control, which culminated in applying these concepts to a vertical tail of a Boeing 757 as part of NASA's Environmentally Responsible Aviation (ERA) program. Roman holds a master's degree in Aerospace Engineering from The University of Arizona and completed his undergraduate work at the Technische Universität Berlin in Berlin, Germany.



Daniel Galhardo Gomes

Marketing Director, Embraer

Daniel is the Strategic Marketing Director at Embraer Commercial Aviation, responsible for Market Strategy, Product Strategy, Market Intelligence and Strategic Planning.

Daniel has been working at Embraer for more than 16 years. He started as an Engineer Trainee in the Product Development Department. He later held the position of Customer Support Engineer, responsible for managing customer technical issues and local entry into service support. Later as Product Strategy Engineer, he defined the E-Jet E2 product requirements, supported sales team analysis, and he has led future programs conceptual design for Commercial Aviation. As Strategic Marketing Director Daniel leads the team that delivers strategic plan, market forecast, future product roadmap, market intelligence reports, and sustainable roadmap solutions.

Daniel holds a master degree in Aeronautical Engineering from Instituto Tecnológico de Aeronáutica – ITA. Daniel lives in Sao Jose dos Campos, Brazil.

Afternoon Session

Session 5: Future of Clean Energy: Scaling-up Aviation Fuels





David Shilliday

Vice President/GM, Power Systems Aerospace, Honeywell

David leads the Power Systems GBE supporting Honeywell's current and future Power Systems offerings. The Power Systems GBE has industry leading products across all verticals generating more than \$2.5Bn in revenue for Honeywell Aerospace. The team is supported by product leaders, operations specialists and business development focals globally. David is in his third year in the role after repatriating from Switzerland.

During his 17 years at Honeywell David also led the EMEAI Airlines sales team, Honeywell Aerospace Trading (HAT) business, as well as roles leading Aftermarket strategy and IP Licensing. Prior to joining Honeywell David had roles in Engineering and IP strategy within the commercial automotive market.

David holds a Bachelor of Science degree in Mechanical Engineering from the University of Arizona and a Master's degree in Business Administration from the WP Carey school at Arizona State University. David holds a number of patents on innovative automotive safety technology and has published cooperative research in the field.



Alan Newby

Director of Aerospace Technology and Future Programmes, Rolls Royce

As Director of Aerospace Technology and Future Programmes Alan is responsible for the formulation of the global technology strategy and delivery of the supporting programmes to underpin product development and enable new business opportunities. This includes the identification of strategic partners, both technical and commercial. He also has an accountability for the exploration of new concepts with a particular focus on sustainability. His previous engineering leadership roles included EVP, Future Programmes, Engineering Director Rolls-Royce Deutschland and Chief Engineer V2500. He joined Rolls-Royce in 1987 from NEI Parsons in Newcastle. Alan is a Fellow of the Royal Academy of Engineering, Institution of Mechanical Engineers and Royal Aeronautical Society. External appointments include non-Executive Director of the Henry Royce Institute, and Aerospace Technology Institute, Chair of the ADS Sustainable Aviation Board, Member of the EPSRC Strategic Advisory Network and Chair of the Derby and Hucknall Branch of the Rolls-Royce Heritage Trust.



Kurt Edwards

Director General, International Business Aviation Council (IBAC)

Kurt Edwards joined IBAC as the Director General in 2012 and leads business aviation advocacy through IBAC's 15 member associations located across six continents. He has overseen IBAC's increased outreach to industry, greater engagement with the International Civil Aviation Organization, growth of IBAC's codes of best safety practices for business aircraft operators and ground handlers, and redoubled commitment to environmental programs. Prior to IBAC, Mr. Edwards held various senior-level positions in the U.S. Federal Aviation Administration (FAA) responsible for liaison with European authorities and for global environmental matters.



Amy Malaki

Director of Partnerships & Policy, SkyNRG

Amy Malaki is the Director of Partnerships and Policy at SkyNRG, a global leader in sustainable aviation fuel production and supply. Amy's career has been focused on climate change, energy and sustainability in the private and non-profit sectors with particular expertise in the transportation sector. Prior to SkyNRG, Amy was the Associate Director for the transportation portfolio at the ClimateWorks Foundation where she developed philanthropic investment strategies to advance a sustainable, equitable and low-carbon mobility system including development of the international aviation decarbonization strategy. Before that she focused on Asia business development at Better Place, a Silicon Valley electric vehicle network startup. She has a B.A. in Chinese and a B.A in China studies from the University of Washington and an M.A. in international policy studies (energy and environment) from Stanford University.



Andreia Almeida

New Projects Development Manager, Brasil BioFuels

Andreia Almeida is a New Projects Development Manager at Brasil BioFuels (BBF), having been working on the business management and financial modeling of the SAF (Sustainable Aviation Fuel) and HVO (Hydrotreated Vegetable Oil) Project – the first Biorefinery in Brazil for the production of these sustainable fuels in industrial scale. Her participation in the project includes an interchange with different areas, involving agriculture, environment, technology, industrial processes and regulatory affairs. Andreia has over 20 years' experience in business, in multicultural environments, and holds an MBA in International Trade from FIA Business School, in Brazil, with an extension program in International Management from Université Grenoble Alpes, in France. She is based in São Paulo, Brazil, and together with BBF's team, has been advancing on the implementation of this sustainable solution, with a special regard to the socioeconomic development that the project brings to the country.



Pratik Chandhoke

Technical Services Manager for SAF, Neste

Pratik Chandhoke is the Technical Services Manager for Sustainable Aviation Fuel (SAF) at Neste, the world's largest producer of renewable diesel and SAF. Neste is currently in the process of commercializing SAF and Pratik's responsibilities include technical management and customer support for use of Neste MY Sustainable Aviation Fuel in North America.

Prior to joining Neste in 2017, Pratik worked for ten years at Rolls Royce in various roles including product, project management and engineering across various groups. His primary projects focused on fuel control systems development for R-R AE series engines for military, civil, and marine applications.

Pratik holds an MBA and Bachelors in Mechanical Engineering from Purdue University.



Storm Potts

Head of Global Climate Change and Policy, Sasol

As the Head of Global Climate Change and Policy at Sasol and Chair of the Industry Task Team on Climate Change in South Africa, Dr Potts is in the fortunate position to live her passion for establishing the business case for sustainability and climate action and then translating this into actionable programmes. She prioritises developing and maintaining strong partnerships both internally and externally and looks forward to contributing positively to this fast-paced global issue of creating a sustainable future for all.



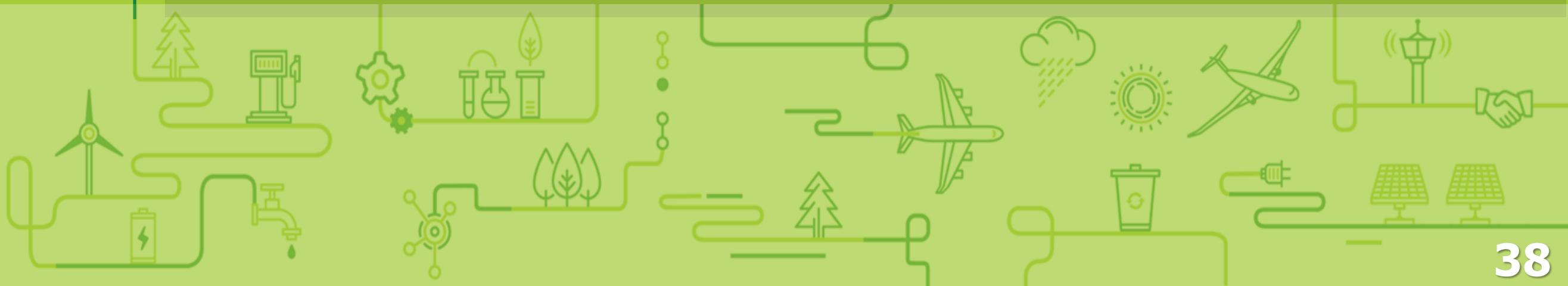
Jayant Mukhopadhaya

Aviation Researcher, International Council on Clean Transportation (ICCT)

Jayant Mukhopadhaya is an Aviation Researcher for the International Council on Clean Transportation with a focus on zero-emission aircraft and EU + UK policy. He is an aerospace engineer by training with a PhD in aircraft design and simulation from Stanford University. Now his research aims to equip policymakers with the scientific information needed to develop effective policies to decarbonise aviation.

Afternoon Session

Session 6: Operations, Airports and Infrastructure: Building Future Energy Hubs





Fathi Atti

Senior Vice President Aeropolitical and Corporate Affairs, Qatar Airways

Fathi Atti is a well-versed aviation expert specialized in Commercial Strategy, Network Planning and Government & Aeropolitical Affairs. He brings with him a wealth of over 35 years of aviation experience garnered from various key roles across international organizations such as AACO and IATA, as well as global carriers. He trained at Lufthansa training as part of PDNA program in the early 1980s, and then excelled through to various leadership roles at Kuwait Airways, Emirates, Etihad Airways and current role at Qatar Airways since 2015.

Fathi Atti is currently heading the Aeropolitical and Corporate Affairs at Qatar Airways as Senior Vice President, leading the airline's aeropolitical strategy and functions on bilaterals, traffic rights, environmental and corporate affairs, and international negotiations. He also serves in expert working groups of IATA, AACO and oneworld.

Fathi Atti was the director of the AACO/ IATA Aeropolitical forum in 2012. He participates in various IATA Passenger Conferences, Steering Groups, and operates in the ICAO Air Transport Panel as an industry expert. He currently represents Qatar Airways at the SITA Council. Fathi is a post-graduate from the United Kingdom and Switzerland, holding various academic qualifications in aviation training, commercial management, network planning and aviation law.



Eric Perrin

Deputy Head of the Aviation Sustainability Unit, Eurocontrol

Deputy Head of the Aviation Sustainability Unit at EUROCONTROL since February 2021. Responsible for supporting aviation decarbonisation; developing and providing aviation sustainability services to EUROCONTROL's stakeholders; implementing environmental data governance; supporting Green Deal legislative initiatives; corporate communications in the field and developing training portfolio on sustainability. From 2017 to early 2021, on secondment from EUROCONTROL, serving as policy officer within the Single European Sky Unit of the European Commission's Directorate-General for Mobility and Transport (DG MOVE): regulatory development and knowledge sharing work in the fields of performance and charging, environmental sustainability, artificial intelligence, drones and higher airspace operations. EUROCONTROL Safety and Human Performance section leader from 2004 to 2016: Responsible for providing safety assurance for the ATM Change programmes including SESAR and Deputy Head of the Performance & Methods Unit. From 1999 to 2003, EGNOS mission engineer within the European GNSS Secretariat (Tripartite agreement between ESA, EC and EUROCONTROL) and EUROCONTROL Ground-Based Augmentation System (GBAS) CAT-I Project Manager including contribution to standardization activities with EUROCAE and ICAO. Experienced aviation professional with over more than 25 years' experience of service in Air Traffic Management in providing leadership in the development and deployment of new ATM technologies and operational concepts within a European legislative environment. Engineering degree in Aeronautics and Computer Science from the French Civil Aviation School (ENAC).



Jennifer Desharnais

Manager, Sustainability, ACI World on behalf of ATI & ACI

Jennifer has over 18 years of combined experience in the tourism industry, including hospitality, events, tour operators, and aviation. She holds a Bachelors' degree in Business Administration – Hotel & Restaurant Management and completed a part-time Executive MSc in Air Transport Management from Cranfield University in Bedford, UK.

She worked seven years for the International Air Transport Association (IATA) in both the Geneva and Montreal offices, spending approximately six years working with ground handling providers through different working groups, with a focus on the Standard Ground Handling & Service Level Agreement.

Wanting to explore another sector of the travel industry, she worked several years in different tour operators, mainly in operations. She came back to the aviation sector in 2019, when she joined ACI World in the Airport Service Quality department. She moved to the Environment team in November 2020, where her role focuses on managing the ACI World Environment Standing Committee (WEnSC), acting as the advisor for the ACI Observer to the ICAO Committee on Aviation Environmental Protection (CAEP). She is continuously developing technical expertise on environmental and sustainability matters, including climate change adaptation and mitigation, decarbonization, sustainable energy sources, noise and community engagement, and ESG and Sustainability reporting.



Matthew Gorman

Director of Sustainability, Heathrow Airport

Matthew is Director of Sustainability at Heathrow Airport and has been Sustainability & Environment Director at the airport for the last decade, leading the team that developed “Heathrow 2.0”, the airport’s leadership plan for sustainable growth. Two years after the plan’s launch, Heathrow won the Edie “Sustainable Business of the Year” award in 2019. He played a key role in developing the new approach which put local communities and the environment at the heart of the airport’s plans for a new runway and was backed by a strong majority in Parliament in 2018. He is a Council member and past Chair of Sustainable Aviation, the coalition of UK airlines, aircraft and engine manufacturers and airports. He on has represented the global airports industry in the International Civil Aviation Organisation’s working group on aviation and climate change, and Heathrow on the Corporate Leaders Group on Climate Change. He has been a trustee of the Hillingdon Community Trust and Heathrow Community Fund, Vice-Chair of SERA (the Labour Environment Campaign) and a trustee of Tourism Concern, which campaigns for ethical tourism. He was awarded an MBE in the Queen’s Birthday Honours in 2021 for services to the decarbonisation of aviation.



Ivonne Kuger

EVP Corporate Development, Munich Airport International GmbH

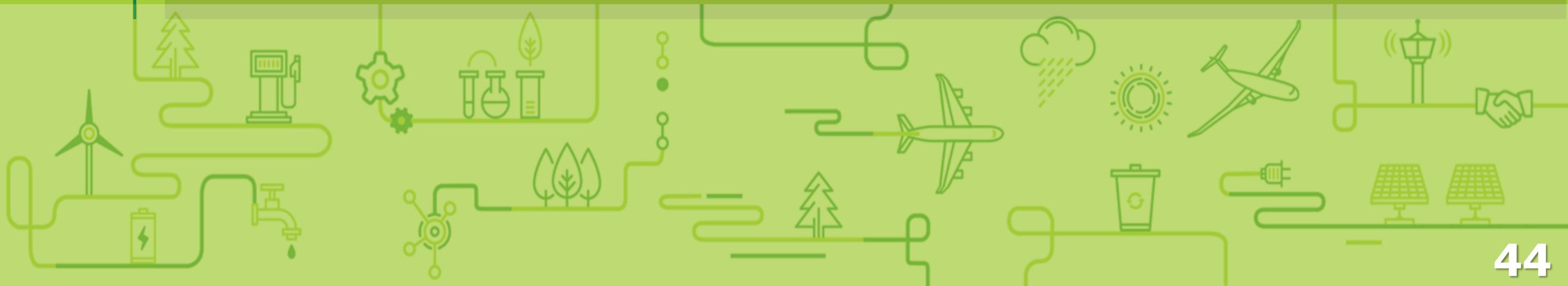
After starting her career in Real Estate Ivonne moved into the aviation industry to coordinate the Lufthansa transfer from Terminal 1 to Terminal 2 at Munich Airport in 2003. Ever since then she has gathered vast experience in nearly twenty years of airport development projects in several regions of the world.

When the international business of Munich Airport was transferred into a 100% subsidiary Munich Airport International GmbH (MAI), Ivonne took over the responsibility of managing the project portfolio for airport management, consulting and training services across the globe. In this position, she was one of the driving forces behind the business development and was instrumental in expanding the service portfolio of MAI to cover the whole lifecycle of airport infrastructure.

In 2020, Ivonne took over the newly established Corporate Development department of MAI and took the lead on establishing a global organization with operations on several continents. As EVP Corporate Development she is determined to shape the future of the company and further strengthen MAI's value proposition. Amongst other strategic initiatives Ivonne drives the development of new products and solutions – for shaping the future of aviation with a special focus on sustainability and advanced air mobility

Afternoon Session

Session 7: Interdisciplinary Cooperation and Capacity Building





Farai Chireshe

Bioenergy Analyst, WWF South Africa

Farai Chireshe is a Bioenergy Analyst at WWF-SA. He is a seasoned chemical engineer and renewable energy expert with a focus on technology advancement, environmental sustainability, and climate change mitigation and adaptation. Farai is passionate about sustainable transport. His most recent work has focused on assessing potential pathways for producing sustainable aviation fuels (SAF) in South Africa from a techno-economic, environmental, and socio-economic standpoint.



Sheila Remes

VP Environmental Sustainability, Boeing

Sheila Remes leads a team focused on continuously improving Boeing's products, services and operations to achieve sustainability goals. She also oversees environmental sustainability strategy on the Boeing International leadership team.

Remes previously served as vice president of Strategy for Boeing Commercial Airplanes, where she led cross-functional efforts to define strategic direction and address complex, enterprise-wide business decisions. These included greater life-cycle value for customers and internal capabilities for Boeing, growth opportunities such as services and intellectual property control, product and propulsion strategy, and environment and aviation policy.

With 30 years of industry experience, Remes brings a strong understanding of commercial aviation from manufacturing and airline perspectives. Her past positions at Boeing included services strategy, sales strategy, and a variety of regional marketing and sales positions for Boeing Commercial Airplanes. Her roles were focused on identifying new opportunities, developing relationships with partners and influencers in the industry, and supporting customers around the world. She joined Boeing as an engineer on the 777 program.

Remes came to Boeing with experience at two airlines. At America West, she was responsible for airplane and component acquisition, airplane modification engineering and flight operations engineering support. At United, she supported the commercial side of the business working on revenue management, scheduling, station reliability, sales and marketing efforts with corporate customers.



Christian Pho Duc

CTO and Managing Director H2 Projects, SmartEnergy

Christian Pho Duc is the CTO & Managing Director H2 Projects at Smartenergy Group AG and the Vice Chair of the Renewable Hydrogen Workstream at Solar Power Europe. He graduated with a Master's Degree in Physics from Ludwig-Maxilian-University in Munich and a Master's Degree in Engineering from Cambridge University. Christian has accumulated 25 years working experience in Semiconductors (Siemens, IBM, Giesecke & Devrient, Infineon Technologies), Renewable Energies & Hydrogen (Solyndra, Nanosolar, Smartenergy) and Electric Mobility (Torqeedo) in various management positions. With his multi-national background he speaks fluently German, English, French, Italian and some Spanish.



Geoff Tauvette

Executive Director, Canadian Council for Sustainable Aviation Fuels (C-SAF)

Geoff is a commercial aviation and engineering professional at the forefront of airline sustainability with more than 25 years of experience integrating aviation fuel procurement, environment, and climate risk management, giving him a unique perspective on creating a sustainable aviation fuels market in Canada to support decarbonizing the aviation industry.

Geoff holds a bachelor and master's degree in civil engineering from the Universities of Ottawa and McGill and is a fellow of the Alberta Energy Futures Lab, a sustainability-driven, innovation-focused initiative whose vision is to accelerate the clean transition of Alberta's energy system.



Julius Yeo

Managing Director, Starburst

Julius Yeo is a serial entrepreneur and is currently the Director (Asia) of Starburst Aerospace.

Julius has a professional career track record in a multi-national company - Rockwell Collins heading their commercial strategy as well as its program responsibility for the digital roadmap before embarking on the entrepreneur journey.

Notably, some of the current advisory assignments include the development of an aircraft engine leasing business plan as well as raising investment from the capital market and private equity organization(s). Currently, Julius is also the Managing Director of Starburst Singapore, where he is driving and growing the Starburst innovation footprint in Singapore and beyond.

Julius holds both a Bachelor's Degree in Electrical Engineering from the Nanyang Technological University of Singapore as well as the Harvard Executive Mentor Program from IATA.



Iain Gray

Director of Aerospace, Cranfield University

Iain Gray is the Director of Aerospace at Cranfield University. Iain joined Cranfield University in March 2015 after 7 years as the Chief Executive of InnovateUK. In this role he is responsible for all aspects of learning, executive education and research in Aerospace for the University and for developing the Aerospace Strategy across the University Group. Prior to this, Iain was Managing Director and General Manager of Airbus UK, whose Bristol operation he joined when it was still part of British Aerospace.

Iain Gray has an Engineering Science Honours degree from Aberdeen University and gained a Masters of Philosophy at Southampton University. Since then Iain has received Honorary Doctorates from Aston, Bath, Bristol, Aberdeen, Cardiff, Exeter and the University of the West of England. In 2014, he was awarded a CBE for services to innovation. Iain is a Chartered Engineer, a Fellow of the Royal Academy of Engineering; a Fellow of the Royal Society of Edinburgh, a Fellow of the Royal Aeronautical Society and in 2007 was awarded the Royal Aeronautical Society Gold Medal.

In 2016 he was awarded the Baird of Bute Award for his contribution towards aviation in Scotland. He is Chair of Aerospace Bristol Museum, a Non-Executive Director for Graphene based company Versarien and is Chairman of technology company CFMS UK Ltd.



Anne Carnall

Clean Skies for Tomorrow (CST) Policy Lead, World Economic Forum (WEF)

As part of the Clean Skies for Tomorrow coalition, Anne Carnall works with industry and policy-makers to accelerate the supply and demand for SAF. A chartered engineer at heart, Anne has over 20 years experience in the aviation sector having worked on behalf of airlines, airports, investors and engineering consultancies both with large organizations and as an independent consultant. Prior to this project for the World Economic Forum, Anne established IATA and ACI's industry vision for the future of airports



Sonia Rueda

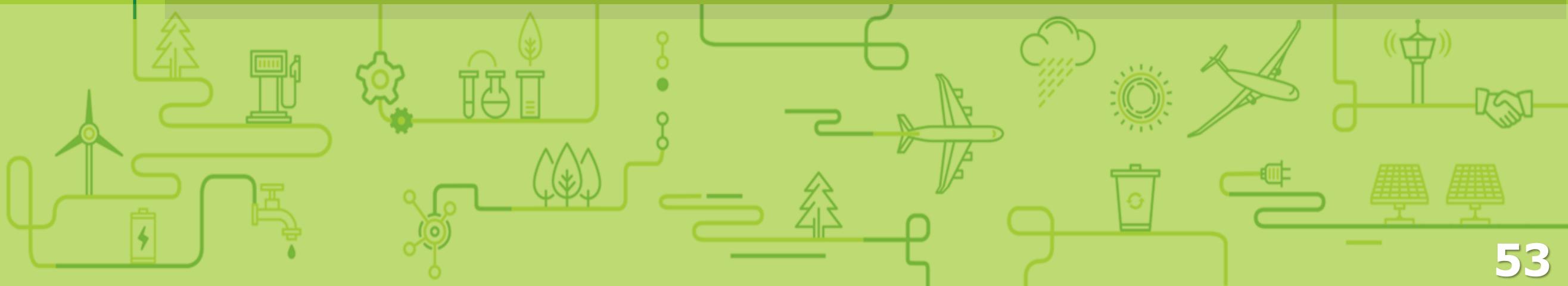
Advisor, PtX Hub, GIZ

Sonia works as advisor at the PtX Hub of the GIZ in Berlin, with focus on solutions for the aviation sector and the chemical industry.

Sonia holds a degree on Chemical engineering from Colombia and a masters in Renewable energy technologies from Germany. Before starting at the PtX Hub, Sonia gained multidisciplinary experience in the private and public sector; on the areas of process engineering and energy efficiency while working for the chemical industry in Colombia and, on capacity building and technical support around renewable energy and energy statistics while working for the International Renewable Energy Agency in the UAE. Sonia is Colombian, has lived in Kenya, Germany and the UAE and has worked with several developed and developing countries.

Afternoon Session

Session 8: Closing





Jane Hupe

Deputy Director, Environment, ICAO

Ms. Jane Hupe is the Director responsible for the Environment programme at International Civil Aviation Organization (ICAO), and serves as the Secretary of the ICAO Council's Committee on Aviation Environmental Protection (CAEP). Ms. Hupe has a vital role in providing leadership for ICAO's efforts to define and promote policies and Standards for environmentally sustainable aviation, managing a portfolio that includes aircraft noise, local air quality, global climate, clean energy and sustainable aviation fuels, adaptation, circular economy and a global market-based measure for international aviation. She currently leads the Organizations efforts on green innovation and the assessment of options for long term goals for CO₂ emissions reduction. Under her leadership, the ICAO Balanced Approach to Aircraft Noise Management policy was established and various new and more stringent global Standards to reduce aircraft noise and emissions affecting local air quality and global climate were adopted, with particular mention of the world's first global CO₂ certification standard for any industry sector, adopted in 2017. Ms. Hupe was at the forefront of the conceptualization and development of the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), which was agreed in 2016 as the first global market-based mechanism for any industry sector. She ensures that "CORSIA is on track" by leading its implementation strategy, including putting in place the necessary regulatory frameworks and tools whilst ensuring that "no country is left behind" by implementing ACT-CORSIA (Assistance, Capacity Building and Training for CORSIA), one of the most ambitious assistance programmes undertaken by ICAO.