



ICAO

Destination Green

4th ICAO Symposium on
Aviation and Climate Change

BIOGRAPHIES



MARYAM AL BALOOSHI

Environment Manager, General Civil Aviation Authority (GCAA), United Arab Emirates

Ms. Maryam Al-Balooshi is the Environment Manager of the General Civil Aviation Authority (GCAA) of the United Arab Emirates. Ms. Al Balooshi was recently appointed for a second time as the head of the Arab Civil Aviation Commission (ACAC) Environment Committee, and served as the ACAC Observer to CAEP from 2010 to 2012. Prior to her appointment as Environmental Manger in the GCAA. she held the position of Environment Manager of Dubai Airports Company. During this time she worked on the formation of UAE aviation environment policy, which was endorsed by all UAE aviation-related government bodies in 2012. During her career in the Dubai Airports Company, she structured and drafted the Environment Management Plan for Dubai Airports Operations.

Ms. Al-Balooshi holds an Engineering Diploma in Chemical Engineering and a Master's Degree in Environmental Science. As hobbies she likes to write, having published a series of articles in Arabic. As a calligrapher her works are going to be displayed in a future exhibition which will be prepared next year. ■



HAABA BALDAH

Air Transport Unit, Economic Community of West African States (ECOWAS)

Haaba Baldeh has about ten (10) years' work experience in air transport at both national and regional levels. She possesses a degree in Aviation Science from the University of Maryland Eastern Shore, USA; as well as Civil Aviation Management and International Air Law Diplomas. She is currently completing a Master's Degree in Air Transport Management at Cranfield University in the United Kingdom.

She has work experience in the public sector working in the Gambia Civil Aviation Authority as an Air Transport Manager. Haaba has worked on a wide range of civil aviation operations including bilateral and multilateral air service negotiations and agreements. She also possesses work experience as the coordinator of the Banjul Accord Group (BAG) Secretariat and worked diligently with its 7 Member States in the transition of the COSCAP BAG project to both an operational and functional regional organization establishing the BAG Aviation Safety Oversight Organization (BAGASOO) – the first RSOO in Africa. She has dealt with projects under development and technical partners including the World Food Programme, World Bank, AfDB and the European Union.

As a professional, she has earned a reputation as an expert on air transport economic regulations and policy. Haaba currently holds the position of Programme Officer Air Transport (Economic Regulations and Policy) at the Economic Community of West African States (ECOWAS), a job she started in April of 2010. With a focus on Air Transport Economic Regulations and Policy at the ECOWAS Commission including external relations in aviation, Haaba works on a number of significant regional programmes including:

- the development and adoption (ECOWAS Heads of State and Government) of the ECOWAS Supplementary Acts relating to the Common Rules on Air Transport which are the legal texts which creates the framework for the establishment of a single air transport market within ECOWAS;
- the negotiation of certain aspects of air services between ECOWAS Commission on behalf of its Member States and third parties, negotiation of memorandum of understanding with regards to air transport with other institutions; and
- her active involvement in a number of Continental level infrastructure development initiatives as a core team member at the ECOWAS Commission for the Programme for Infrastructure Development in

Africa (PIDA) being spearheaded by the African Union and NEPAD Coordinating Agency.

In order to ensure that Air Transport is able to grow sustainably within the ECOWAS region, Haaba, together with her colleagues at the ECOWAS Commission, seeks to support their Member States on a range of significant policy issues, especially in the areas of safety, security and air transport regulation. It is their intention to initiate work on aviation and climate change related matters with the ECOWAS Member States in the very near future in collaboration with relevant Stakeholders. ■



ELINA BARDRAM

Head of Unit, International Carbon Markets, Aviation and Maritime Unit
European Commission's Directorate-General for Climate Action

Ms Elina Bardram was appointed as a Head of Unit, for International Carbon Markets, Aviation and Maritime Unit in European Commission's Directorate-General for Climate Action as of 1 July, 2012. Prior to this Ms Bardram served as a Deputy Head of Unit for Climate Finance and Deforestation and was actively engaged in the UNFCCC negotiations. Between 2003- 2010, Ms. Bardram worked in the in the policy coordination and strategy directorate of the External Relations Directorate-General, where she led a team developing EU outreach capacities, presence and campaigning in third countries. Before joining the European Commission, Ms Bardram served at the UN country office in Nigeria and was employed in the business consulting sector covering assignments for both public and private sector clients in Europe. Ms Bardram holds a Ph.D. in economics from Vienna University of Economics and Business. Her academic work has focused on the impacts of globalization. ■



SAM BRAND

Environmental Officer, ICAO

Sam is the Environmental Officer at ICAO managing Market-based Measures. She coordinates the work of MBM Experts and is responsible for developing options and recommendations on the use of market-based mechanism by international aviation. Sam has more than 25 years of experience in transportation at the national and international levels including the application of market mechanisms in various modes of transportation. She joined ICAO in 2011 from Transport Canada where she was a Senior Manager in the Aviation Policy Branch. ■



JEAN-PAUL CLARKE

Associate Professor in the Daniel Guggenheim School of Aerospace Engineering

John-Paul Clarke is an Associate Professor in the Daniel Guggenheim School of Aerospace Engineering with a courtesy appointment in the H. Milton Stewart School of Industrial and Systems Engineering, and Director of the Air Transportation Laboratory at the Georgia Institute of Technology.

His research and teaching in the areas of control, optimization, and system analysis, architecture, and design are motivated by his desire to simultaneously maximize the efficiency and minimize the societal costs (especially on the environment) of the global air transportation system.

Dr. Clarke has been recognized globally for his seminal contributions in air traffic management, aircraft operations, and airline operations. His honors include the 1999 AIAA/AAAE/ACC Jay Hollingsworth Speas Airport Award, the 2003 FAA Excellence in Aviation Award, the 2006 National Academy of Engineering Gilbreth Lectureship, and the 2012 AIAA/SAE William Littlewood Lectureship.

He is an Associate Fellow of the AIAA, and a member of AGIFORS, INFORMS, and Sigma Xi. ■



NEIL DICKSON

Environmental Officer, ICAO

Neil Dickson is an Environmental Officer at ICAO and is responsible for all aircraft technology related issues regarding aircraft noise and emissions. This involves managing and coordinating the development, review and update of ICAO Annex 16 Standards and Recommended Practices. He performs the role of Secretary to the Committee on Aviation Environmental Protection (CAEP) working groups on noise (WG1) and emissions (WG3). 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. ■

**ALAN H. EPSTEIN**

Vice President, Technology & Environment, Pratt & Whitney

Dr. Epstein is responsible for setting the direction for and coordinating technology across the company as it applies to product performance and environmental impact. He leads Pratt & Whitney's efforts to identify and evaluate new methods to improve engine performance and fuel efficiency for all new Pratt & Whitney products. He also provides strategic leadership in the investment, development and incorporation of technologies that reduce the environmental impact of Pratt & Whitney's world-wide products and services.

Prior to joining Pratt & Whitney, Dr. Epstein was the R.C. Maclaurin Professor of Aeronautics and Astronautics at the Massachusetts Institute of Technology and currently holds an appointment there as Professor Emeritus. He was also the Director of the MIT Gas Turbine Laboratory.

Dr. Epstein is a member of the US National Academy of Engineering, a fellow of the American Institute of Aeronautics and Astronautics and of the American Society of Mechanical Engineers. He received his B.S., M.S., and Ph.D. degrees from the Massachusetts Institute of Technology in aeronautics and astronautics. ■

**BLANDINE FERRIER**

Associate Environmental Officer, ICAO

Blandine Ferrier is an associate environmental officer at ICAO. She is the project coordinator for the States Action Plan activities. In this capacity, she leads the development of guidance and the website for the preparation of the action plans, regional training of States, and the provision of individual assistance and follow-up. In addition, she is responsible for the organization of the ICAO environmental events, including the Assistance for Action – Aviation and Climate Change seminar, and for the publication of the ICAO Environmental Reports.

Prior to joining ICAO, Ms. Ferrier was Environmental and Quality Manager at Liege Airport in Belgium where she was responsible for airport environmental and quality services.

Ms. Ferrier holds a Master's Degree in Environmental Law and Regional Development and a postgraduate degree in Environmental Pollution and Nuisances, both from Strasbourg University. ■



VINCENT GALOTTI

Deputy Director, Safety Standardization and Infrastructure,
Air Navigation Bureau, ICAO

Vince Galotti is the Deputy Director, Safety Standardization and Infrastructure of the Air Navigation Bureau at ICAO. Prior to this, he was the Chief of Air Traffic Management. Prior to his posting in Montréal, he worked for ICAO in its Paris Office as a Technical Officer. He also worked as an air traffic controller and ATS instructor in Saudi Arabia for a period of six years. After his time in Saudi Arabia, he attended Embry-Riddle Aeronautical University in Daytona Beach Florida where he earned a Master's Degree in Aeronautical Science. He also taught at the University as an Adjunct Instructor and worked as a Research Assistant.

Mr. Galotti began his aviation career as an air traffic controller working for the Federal Aviation Administration in the New York Air Route Traffic Control Center. He has written extensively on aviation issues including a textbook on the Future Air Navigation System, published by Ashgate in 1997. ■



ALEJANDRO RÍOS G., Ph. D.

Director of Sustainable Bioenergy Research Consortium (SBRC) and
Professor of Practice at the Masdar Institute of Science and Technology (MIST)

Alejandro Ríos G. is the Director of the Sustainable Bioenergy Research Consortium (SBRC) and Professor of Practice at the Masdar Institute of Science and Technology (MIST). The SBRC was established by the MIST and has as its founding members Boeing, UOP-Honeywell and Etihad Airways, that together with associate member Safran, are spearheading research in the use of salt water and halophytes for the production of sustainable alternative aviation fuels.

Dr. Rios was the Director of ASA Fuel Services for 11 years, where he oversaw the operation and management of a network of over 60 fuel farms and their associated 2,000+ apron into-plane operations. He was the architect of the Plan de Vuelo (Flight Plan) initiative that is promoting the development of a sustainable aviation biofuel industry in Mexico.

In 2005, he was granted the INNOVA award for the deployment of the Fuel Management System at ASA, as one of the best practices in the Mexican Federal Government. In 1998, he was appointed as a fellow of the Eno Center for Transportation Leadership Development in Washington, DC, US.

He holds a Bachelor's degree in Civil Engineering from the Universidad Iberoamericana in Mexico City, and Masters and Ph. D. degrees in Civil and Environmental Engineering, from Cornell University in Ithaca, NY, USA. ■



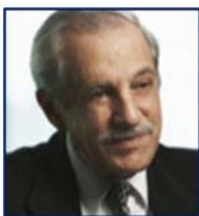
ALBERTO MUÑOZ GÓMEZ

Representative of Colombia on the Council of ICAO

He is a Systems and Computer Engineer with studies of Administration, Mathematics and Music from University of Andes, Colombia; fully bilingual (English and Spanish), with working proficiency of French; wide experience in telecommunications, satellite network, information systems and methodology for improving human organizations.

His work experience includes the following positions at the Civil Aviation Authority of Colombia: Permanent Representative of Colombia on the Council of ICAO, Coordinator of the Latin American and Caribbean Representatives to ICAO, member of the Air Transport and Technical Cooperation Committee of ICAO; Aeronautical Technical Secretary; Director of the Colombia Aeronautics Studies Centre; Advisor of the Director General of the Colombian Civil Aviation; Member of the CAR/SAM Regional Planning and Implementation Group (GREPECAS); Chief of the Delegation at 33o. General Assembly of ICAO.

Mr. Muñoz has also participated in creating the Terminal Management Area (TMA) of Andes (Colombia, Ecuador), the Aeronautic Network REDDIG, and restructuring TMA Amazonas (Colombia, Peru, and Brazil); Group orienteer of task and study groups on aviation issues; Promoter of the Faculty of Aeronautics and Airports at the Aeronautics Studies Center of Colombia, as well as other aviation initiatives. ■



ROBERTO KOBEH GONZÁLEZ

President of the Council of ICAO

Mr. Roberto Kobeh González is President of the Council of the International Civil Aviation Organization (ICAO). He was elected to the position in 2006, after serving eight years as the Representative of Mexico on the Council.

During that time, he served as First Vice - President of the Council, Chairman of the Finance Committee, and as a Member of the Air Transport Committee. Beginning in 1966, Mr. Kobeh González held a number of posts of increasing responsibility with his Government's Directorate General of Civil Aeronautics. As Deputy Director General in the areas of Administration and Air Transport, he took part in negotiations on bilateral agreements with various countries.



From 1978 to 1997, he served as Director General of the Air Navigation Services of Mexico (SENEAM), the agency responsible for providing navigation, air traffic control, meteorology, and aeronautical communications services.

Mr. Kobeh González has also been a professor of aeronautical electronics at the National Polytechnic Institute of Mexico. He received numerous awards, including the Award for Extraordinary Service from the Federal Aviation Administration (FAA) of the United States in 1988. In 1997, he was awarded the Emilio Carranza Medal from the Government of Mexico for his contribution to the development of civil aviation in Mexico for 30 consecutive years. Most recently, in 2004, he received the award for Contribution to the Development of Aviation in the Central American Region from the Central American Corporation for Air Navigation Services (COCESNA). ■



GREGG C. FLEMING

Director, Center for Environmental and Energy Systems Center of Innovation (RVT - 40)
Volpe National Transportation Systems Center, RITA/USDOT and CAEP MDG Co-Rapporteur

As Director of the Environmental and Energy Systems Center of Innovation at the Volpe Center, Gregg Fleming has over 20 years of experience in all aspects of transportation-related acoustics, air quality, and climate issues.

He has guided the technical work of numerous, multi-faceted teams on projects supporting all levels of Government, Industry, and Academia, including the International Civil Aviation Organization, the Federal Aviation Administration, the Federal Highway Administration, the National Park Service, the National Aeronautics and Space Administration, the Environmental Protection Agency, and the National Academy of Sciences.

Mr. Fleming holds a B.Sc. degree in Electrical Engineering from the University of Lowell. He has co-authored numerous peer-reviewed journal articles and has participated substantially in the development of national and international standards on technical issues pertaining to acoustics, air quality, and climate change. ■

**TAKASHI HONGO**

Senior Fellow, Mitsui Global Strategic Studies Institute

Hongo has been involved in environment projects and the consideration of environment policy measures such as climate change, water shortage, low carbon urban development and bio diversity. He has rich experiences at international project finance such as power, energy, transport and industrial projects when he served for Japan Bank for International cooperation (JBIC). He led the drafting the Environment Guideline for JBIC's financing which was renowned as the most advance and practical environment guideline for the public finance. And also he initiated various carbon related financial instruments such the "GREEN + J-MRV" by using these experiences. Recently he focused harmonization of the decentralized Asian Carbon Market including Bilateral Carbon Offset Mechanism (BOCM) and reforms of the financing for the low carbon economy using MRV such as Performance Base Incentive Scheme. He has knowledge contribution for International Energy Agency (IEA), International Renewable Agency (IRENA), IPCC, UNEP and UNEP FI, OECD, ICAO, GLOBE International, ADB and APEC in addition to Japanese government and local authorities through various committees. He has written numerous articles as well.

He is Director of Board of International Emission Trading Association and Special Advisor of Global Water Reuse and Recycle Association. ■

**CELINE HOURCADE**

Manager, Cargo Industry Affairs, IATA and Global Air Cargo Advisory Group (GACAG)

Celine Lavinay-Hourcade is manager at IATA Cargo. After 12 years of experience in e-business, including e-freight and e-AWB, she is now driving the Sustainability agenda of IATA Cargo. As such, she launched the "Air Cargo Makes It Happen" campaign showing the value air cargo brings to our modern lives; organizes the first "Future Air Cargo Executive Summit" to recognize and develop young talents in the air cargo & logistics industry and works with the IATA Environment team on carbon footprint issues. She is representing IATA on the Global Air cargo Advisory Group (GACAG) Sustainability Task Force and is working with the industry on cargo carbon emissions measurement and reporting issues. ■



JANE HUPE

Chief, Environment Branch, ICAO

Jane Hupe is Chief, Environment, in ICAO's Environment Branch, and the Secretary of the Committee on Aviation Environmental Protection (CAEP). Ms. Hupe is responsible for the environmental programme of ICAO and has been at the forefront of ICAO's efforts to define and promote policies and standards for an environmentally sustainable aviation. Her responsibilities entail directing ICAO environmental activities, including managing the CAEP, advising the ICAO Council on matters related to aviation and the environment, including the establishment of aviation environmental Standards, guidance and policies, and coordinating all activities in the field of aviation and the environment with other International Organizations. Jane contributed to various IPCC Reports on aviation related measures, including the 2007 IPCC Fourth Assessment Report and was the lead author of the 2006 IPCC Guidelines for National Greenhouse Gas Inventories. For her work, Jane received a certificate acknowledging her contribution to the award of the 2007 Nobel Peace Prize to the IPCC. Prior to joining ICAO, Jane served as advisor on environmental matters to the Brazilian Aviation Authorities for 15 years. Jane has a Master's degree in Aviation from the École Nationale de L' Aviation Civile (ENAC), Toulouse, France, and many other post-graduate degrees, including in environmental auditing. ■



JUNHAENG JO

Director/Research Fellow Division for
North Korea and Northeast Asia Transport Studies
The Korea Transport Institute (KOTI)

Junhaeng Jo is a research fellow at the Korea Transport Institute (KOTI). His areas of expertise are transportation planning and climate change in transportation sector. He has researched policy measures and its effects to reduce greenhouse gas emissions in aviation since 2006. He is assisting Korean government as an adviser for international negotiation on climate change and participating in the Expert Group on Market Based Measures of ICAO. Last year he coordinated establishment of Korea's Action Plan to reduce GHG emissions from international aviation. Previously he was an executive manager of Hankook Engineering Development Co. Ltd., and a lecturer at Kyungwon University and Chung-ang University in the departments of Urban Planning and Urban Engineering respectively. He earned his PhD in Transportation Planning, ME in Urban Planning, and BE in Architecture from Yonsei University.

He researched at the Brookings Institution in Washington DC as a visiting fellow from August to December in 2012. ■



IAN JOPSON

Head on Environmental and Community Affairs, NATS, UK

Ian has almost twenty years' experience in the sphere of environmental aviation issues in Europe and beyond, working for the Civil Aviation Authority and an independent consultancy. Ian is currently Head of Environmental and Community Affairs at NATS, which provides air traffic services to 2.2 million flights a year and to the 15 biggest airports in the UK.

Since the launch of its 'Acting Responsibly' environmental programme in 2008, NATS has been able to set stretching targets on its environmental performance, driving innovation in the air traffic services they provide - including the adoption of financial incentives on environmental performance. In 2008 NATS became the first air traffic organisation in the world to set stretching environmental targets. In another world first the award winning 3Di flight efficiency metric was introduced in January 2012. Conceived and designed by NATS, this new metric measures the environmental efficiency of every aircraft in UK airspace.

Ian is deputy chair of the UK Sustainable Aviation coalition and he advises the UK state member of ICAO's Committee on Aviation Environmental Protection. In Europe, he leads the environmental research transversal programme in the Single European Sky ATM Research programme, SESAR. ■



AYTEN KISACIK

EU Coordinator of Director General, Turkish Civil Aviation Authority

Ayten Kisacik is the EU Coordinator of Director General (Turkish Civil Aviation Authority) last eight years, being responsible for coordination of environmental activities in DGCA. In this capacity she leads as project coordinator the Technical Assistance for Enhancement of Administrative Capacity of DGCA on EU ETS, project of European Union, and is the Focal Point of Turkey for the State Action Plan. Ms. Kisacik is member of CAEP WG2 and member of ACCAPEG – The Aviation and Climate Change Action Plan Expert Group, having expertise in operational reduction measures for environmental efficiency and local emissions.



Ms Kisacik holds a Diploma from Bilkent University in Political Science and Public Administration. Along the years she attended various training and courses, among them JAA Training Course, SMS training courses. ■



ALEXANDRE KOSSOY

Senior Financial Specialist, Carbon Finance Unit, World Bank

With over 20 years of professional experience, Alexandre Kossoy is a Senior Financial Specialist at the Carbon Finance Unit (CFU) of the World Bank since 2002.

Mr. Kossoy is the team leader and co-author of the State and Trends of the Carbon Market report since 2010. He oversees many financial activities within the Unit and has been actively involved in several World Bank financial instruments related to carbon and climate finance.

Before joining the Bank, Mr. Kossoy was in the private sector, working in a variety of positions for international organizations in different countries.

Alexandre Kossoy holds a bachelor's degree in Agricultural Engineering from the University of Sao Paulo (Brazil) and a master's degree in Environmental Engineering Sciences from the Israel Institute of Technology (Israel). He is fluent in Portuguese (native), Spanish, and English. ■



FOKKO KROESEN

Environmental Manager, KLM Royal Dutch Airlines

Fokko Kroesen is corporate environmental manager at KLM Royal Dutch Airlines with more than 20 years experience in the field of environmental management. He joined KLM Corporate to manage Environmental Strategy from 2005 and currently is responsible for KLM's sustainability policy on biofuels and climate issues.

After an MSc degree in chemistry and postgraduate courses on environmental sciences in 1991, Fokko Kroesen worked at the University of Groningen and as consultant in Utrecht on environmental performance and certification projects at companies and governmental bodies. Before joining KLM Corporate he has been implementing ISO 14001 and training staff at KLM Engineering & Maintenance and being environmental representative for KLM Ground operations at Schiphol airport. ■

**BRICE LALONDE**

Special Advisor on Sustainable development
to the UN Global Compact

Mr. Brice Lalonde is Special Advisor on Sustainable development to the UN Global Compact. Prior to this, Mr. Lalonde had been UN Executive Coordinator for the Rio+20 conference during two years, from the preparation of the conference to the beginning of its implementation. Mr. Lalonde is a former French Ambassador for climate change international negotiations.

Prior to this, he served as French Minister for the Environment from 1988 to 1992, Chairman of the Round Table for Sustainable Development at the Organisation for Economic Cooperation and Development (OECD), and Senior Advisor for the Environment to the French Government. In addition, he held the position of Director of the Paris office of the Institute for a European Environment Policy. Mr. Lalonde graduated from the Sorbonne University with a degree in classics and law.

As French Minister for the Environment, he was very strongly involved in global issues and contributed to the Basel Convention; Madrid Treaty on Antarctica; Whale Sanctuary; Ban on Ivory Trade; management of the Rio Climate Convention; world NGO meeting before Rio; creation of the GEF; contribution to the European Union Environmental Policy (water, waste, nature protection, nitrates, catalytic converters). At the national level included: setting up French laws on water and waste, coastline and mountain conservation regulations, setting up the French Agency for the Environment and Energy Efficiency (the ADEME), among others. ■

**ELISABETH LE MASSON**

Delegate for Sustainable Development
Member of the Board of Directors of Hubstart Paris, Aéroports de Paris

Elisabeth Le Masson, has been holding the post "Delegate of Sustainable Development of Paris-Charles de Gaulle and Paris-Le Bourget airports" of Aéroports de Paris since September 2007.

She started her career with Aéroports de Paris in 1981. In her 30 years of working with Aéroports de Paris, she had held numerous posts from finance, to communication, to real estate and operations. From 1981 to 1984, she was Section Chief in the Development and Finance Department. From 1984 to 1987, she was Section Chief in charge of trade concessions of Charles de Gaulle airport. From 1987 to 1990, she was Project manager for development of trade concessions. From 1990 to 1996, she was Head of Commercial Real



Estate (Charles de Gaulle and Orly airports). From 1996 to 1998, she was Head of Commercial Department in charge of relations with the airline companies and service providers. From 1998 to 2000, she was Chief-in-charge of the Operations Department of Charles de Gaulle airport and head of the operational implementation of the terminal F. From 2000 to 2003, she was responsible for operating terminal F and the start of operation of terminal E in June 2003. From 2003-2004, she was Assistant Director of Communication; from 2004 to 2006, she became Director of terminals A, B, C, and D of Paris Charles de Gaulle airport, and from 2006 to 2007, she was Director of the Office of the Chief Executive Officer and Chief Operating Officer.

As Delegate of Sustainable Development of Paris-Charles de Gaulle and Paris-Le Bourget airports, she is in-charge of the following responsibilities:

- organization and implementation of a lobbying strategy to elected officials and socio-professionals
- coordination of territorial relations with local and regional elected officials, associations and elected consuls and socio-professional representatives
- organization and implementation of partnerships in the economic and social domain with the departmental and regional structures
- organization of the local environmental policy

Apart from this, she is also in-charge of the management of tourism and hospitality records of Aéroports de Paris, to which, she has the following roles:

- member of the national steering committee of fairs and congresses and chairs the workshop dedicated to hospitality
- member of the Office of the Regional Tourism
- associate member of the National Tourism Committee

Elisabeth Le Masson is also a member of the Operating Committee and the Steering Committee of the promotional approach of the Grand Roissy in the international arena – Hubstart Paris.

She has two diplomas from two prestigious French universities, HEC - Ecole des Hautes Etudes Commerciales (School of Higher Commercial Studies) in 1980 and IEP-Institut d'Etudes Politiques de Paris (Paris Institute of Political Studies) in 1978 and speaks German and English.

She had been awarded the French "Chevalier de la Légion d'honneur" (Dame of the Legion of Honor of France). ■

**LIM YONG HENG**

Representative of Malaysia on the Council of ICAO

Mr. Lim, Yong Heng heads the Permanent Mission of Malaysia as the Representative of ICAO Council since April 8 2011. Before coming to ICAO, Mr. Lim Yong Heng was appointed as Aviation Attaché at Ministry of Transport Malaysia and prior to that he was attached to Department of Civil Aviation at the Air Traffic Management Division. Mr. Lim Yong Heng holds Air Traffic Control (ATC) Licenses with Aerodrome; Approach Radar; Area Radar Rating.

He was the Co-Chair for the Asia Pacific Economic Cooperation Global Navigation Satellite Systems Implementation Team from 2005-2006.

Mr. Lim Yong Heng is a qualified professional lawyer with Certificate of Legal Practice (CLP), received a Bachelor's degree in Jurisprudence from Malaya University; Bachelor of Humanities with area of specialty in Geography/Economics from University of Science Malaysia. He holds a Master of Business Administration (MBA) from University Putra Malaysia.

Currently the Permanent Representative of Malaysia assumed the role of a Coordinator of Asia Pacific Group of ICAO. ■

**LV JIXING**

Focal Point of China

Lv Jixings is assistant researcher of Civil Aviation University of China. His current research interests focus on the emission reduction potential and quantification methods of the civil aviation projects. ■



CHRIS LYLE

Representative of the United Nations World Tourism Organization (UNWTO) to ICAO

Chris Lyle's career spans British Airways, the United Nations Economic Commission for Africa and ICAO as well the World Tourism Organization (UNWTO) for which he is currently Representative to ICAO. His primary expertise is in regulatory policy, economic analysis and environmental protection. Over the past several years much of his focus has been on climate change impacts of tourism and aviation.

Chris is a graduate of Cambridge University with a postgraduate in operational research, and he is a Fellow of the Royal Aeronautical Society. ■



KERRYN MACAULAY

Representative of Australia on the Council of ICAO

Kerryn is a commercial pilot and flight instructor with an Airline Transport Pilot Licence. She is a trained teacher and holds a Diploma of Transport Safety Investigation. She also has an Executive Masters of Public Administration with the Australia and New Zealand School of Government.

After joining the Australian Transport Safety Bureau (ATSB) in 1995 as an air accident investigator, Kerryn worked in a wide range of agency operations including with a focus on investigations, safety analysis and research. Kerryn has led a number of significant agency projects including:

- the development of multi-modal legislation which culminated in the introduction of the Transport Safety Investigation Act 2003;
- the implementation of the ATSB's Safety Investigation Information Management System; and
- the transition of the ATSB to both operational and functional independence on 1 July 2009.

Kerryn has been Australia's Representative on the Council of ICAO since November 2010. In order to ensure that international aviation is able to grow sustainably, Kerryn, together with her Council colleagues, seeks to carefully guide ICAO on a range of significant policy issues, including in the areas of safety, security, air transport regulation and the environment. Kerryn is currently the Chair of Air Transport Committee.

**DR. LOURDES Q. MAURICE**

Executive Director for the Office of Environment and Energy (AEE-1)
Federal Aviation Administration

Dr. Lourdes Q. Maurice is the Executive Director for the Office of Environment and Energy (AEE-1) in the Federal Aviation Administration's Office of Environment and Energy. She leads FAA's environmental research and advanced technology development programs. She has recently served as Chief Scientific and Technical Advisor and previously as Acting Deputy Assistant Administrator for Policy, Planning and Environment and Acting Director of the Office of Environment and Energy. She received her B.Sc. in Chemical Engineering and M.Sc. in Aerospace Engineering from the University of Dayton and her Ph.D. in Mechanical Engineering from the University of London's Imperial College at London. Lourdes has served as a Lead Author for the Intergovernmental Panel on Climate Change. She is a 2003 Fellow of the American of Institute of Aeronautics and Astronautics. ■

**LUC MONGEAU**

Professor of Mechanical Engineering at McGill University

Luc Mongeau is Professor of Mechanical Engineering at McGill University. His research aims at the validation of numerical simulation tools for the prediction and modeling of jet noise and airframe noise sources. He has authored over 80 archival journal papers, as well as over twenty pamphlets on aircraft noise related topics.

He was a Canadian delegate between June 2012 and February 2013 on the second CAEP Noise Technology Independent Expert Panel, chaired by Dennis Huff (NASA Glenn), Brian Tester (Southampton U.) and Ulf Michel (Consultant, Germany). He has been actively involved in the PARTNER center for excellence in 2003-2005, and GARDN since 2009. He is a member of ASME, AIAA, ASA, and SAE. He is the technical chair of the forthcoming 21st International Congress of Acoustics, which will take place on June 2-8 at Montreal's Palais des Congrès. ■

**DARRIN MORGAN**

Director, Sustainable Aviation Fuels Strategy, Boeing
Sustainable Aviation Biofuels for Brazil (SARB)

Darrin Morgan leads strategy development and execution for Boeing Commercial Airplanes' Sustainable Aviation Fuels Program. He is a co-founder of the Sustainable Aviation Fuel Users Group, whose members account for more than 32 percent of global jet fuel demand and whose goal is to diversify aviation's fuel supply, while also reducing the industry's lifecycle greenhouse gas emissions. Morgan has also served as founding co-chairman of the global algae-for-energy trade association, the Algal Biomass Organization, drove the creation of regional aviation biofuel stakeholder roadmap processes in US, Brazil Australia, Mexico, and co-founded the Sustainable Bioenergy Research Consortium in UAE.

He began his career with accounting companies Arthur Andersen, followed by KPMG, where he specialized in energy project acquisition as well as aviation industry economic assessment. Morgan holds a bachelor of arts in Finance from the University of Washington. ■

**PHILIPPE NOVELLI**

Alternative Fuels Officer, Environment Branch, ICAO

Mr. Philippe Novelli has spent most of his carrier at ONERA, the French Aerospace Lab, where he has been working in the field of CFD, combustion and system analysis, as well as research coordination, for various propulsion systems.

He started working on alternative fuels for aviation in 2008 and became the coordinator of the SWAFEA European study addressing the feasibility and potential impacts of implementing alternative fuels in aviation. He was also the leader of the alternative fuels group of the Advisory Council for Aeronautic Research in Europe.

He joined ICAO's Environment Branch in July 2012 where he is now in charge of the ICAO's SUSTAF expert group on sustainable alternative fuels. ■

**ALEXEY A. NOVGORODOV**

Representative of the Russian Federation on the Council of ICAO

Mr. Alexey Novgorodov is the Representative of the Russian federation on the Council of ICAO. Prior to his appointment he served Aeroflot as Deputy Head of Navigation and Flight Dispatch Department. He was Alternate Representative of the Russian federation on the Council of ICAO and member of the Air Navigation Commission between 2003 - 2005. Mr. Novgorodov, with more than 20 years' experience in the aviation field, has visited around 80 states of the world. He has a pilot license and has around 12 000 hours of flying as a licensed pilot.

Mr. Novgorodov holds an Engineer – Navigator Diploma from the Civil Aviation Academy of St. Petersburg and different advanced certifications, among them: Flight Safety Management in air transport Certification from ST Petersburg Civil Aviation Academy. He is passionate about IT, being directly involved in the design of the specialized flight planning software. ■

**MR. ALISTAIR O'HARA**

Head, Project Implementation Unit, Technical Cooperation Bureau, ICAO

Having studied Mechanical Engineering at the Queen's University of Belfast, Northern Ireland (1970-1973), Alistair pursued a career in Information Technology with the National Westminster Bank in London until 1980 and then with Air Canada in Montreal from 1980-1982.

He was engaged as an IT consultant with ICAO's Technical Co-operation Bureau in 1982 (then known as the Technical Assistance Bureau) and has remained with TCB since.

A certified PRINCE2 Project Management Practitioner, he now heads the Project Implementation Unit in TCB's Field Operations Section which is currently responsible for the successful delivery of approximately 150 aviation related projects and programmes across the globe. ■

**OLIVER PAGE**

Regional Technical Adviser, Climate Change Mitigation, Environment and Energy Practice
United Nations Development Programme

Oliver Page is the Climate Change Regional Technical Advisor for Latin America and the Caribbean for the United Nations Development Programme (UNDP). He is responsible for the implementation of UNDP's Climate Finance Readiness activities in Latin America, including the development of Low Carbon, Climate



Resilient Development Strategies and the implementation of strategic climate change mitigation and adaptation interventions. In his time at UNDP, he has catalysed over \$150 million in climate finance, including the mobilization of over US\$50 million from international financing sources, such as the Global Environment Facility, the Adaptation Fund, and international carbon markets through the MDG Carbon Facility. Mr Page has represented UNDP in numerous speaking and lecturing engagements such as the Latin American Ministers' Forum, the Latin Carbon Forum, and the Chilean Energy Efficiency Expo, and has repeatedly been a guest lecturer for the Climate Change Master's program at the University of Bilbao, Spain. Prior to joining UNDP, Mr. Page worked in several environmental consultancy firms, mainly addressing environmental challenges in the mining industry. He has a Bachelor's Degree in Environmental Engineering from Cornell University and a Master's Degree in International Affairs and Environmental Policy from Columbia University. ■



JOSE RAMON PEREIRA BASTIDA

Focal Point of Venezuela

Air Force Colonel. Military Meteorologist graduate of Technological Institute of Aviation in 1978, specializing in Climate Change and Environmental Management. Studies and operations carried out in the Republic of Argentina, Brazil, Kingdom of Spain and the United States of America.

Current Position: Coordinator of Environmental Management and Meteorology of the National Institute of Civil Aeronautics of Venezuela. INAC.

Positions held:

- Race Coordinator Disaster Management Bachelor, National Experimental University of the Bolivarian National Armed Forces UNEFA, Caracas.
- Advisor and Instructor of Meteorology and Risk Management CORPOELEC the National Electricity Corporation and the National Civil Protection. (Educational Institutes, Fire, Social Media, governors, mayors, etc..).
- Technical Adviser to the National Assembly of the Bolivarian Republic of Venezuela, in the area of Meteorological Threats.
- Member of the first scientific expedition to the Antarctic Continent Venezolana as a meteorologist for the mission and Earth team leader. Presidential Commission in 2008. ■

**ANNIE PETSONK**

International Coalition for Sustainable Aviation (ICSA)

Annie Petsonk is International Counsel at the Environmental Defense Fund (EDF), an 800,000-member advocacy organization that develops innovative, economically sensible solutions to environmental problems. Annie focuses on creating markets that encourage people to protect the environment. She has published extensively in this field, and teaches it as a member of the adjunct faculty at the George Washington University Law School. Prior to coming to EDF, Annie served in the U.S. government, the UN system, and the private bar. She is a graduate of Harvard Law School and the Colorado College, which awarded her an honorary degree. ■

**HERBERT PUEMPEL**

Chief, Aeronautical Meteorology Unit, World Meteorological Organization(WMO)

- Position as Senior Analyst in the Operations Department of the European Centre for Medium Range Weather Forecasts, Reading, UK ,1978-1985.
- Member of the Commission for Aeronautical Meteorology, WMO, since 1990, holding several positions as Chair of OPAGS and Expert Teams.
- WMO representative , Committee on Aviation Environmental Protection, ICAO, since 2000.
- Head of western region, Austrocontrol Aviation Met Service, 1991 – 2005.
- Center Director for the Mesoscale Alpine Programme, 1998-1999.
- Lecturer, Aviation Meteorology, University of Innsbruck, 2001-2006
- CEO of “Meteoserve”, the commercial branch of Austrocontrol Aviation Met Service 2005-2006
- Chief of Aeronautical Meteorology Division, WMO, since 2006
- Acting Director, Applications of Meteorology Branch, WDS Department, WMO. ■



ROBIN RIX

Lead Officer for Strategy Development Relating to Market-based Mechanisms
United Nations Climate Change Secretariat.

Since 2009 he has serviced the intergovernmental negotiations on the future role of carbon markets and worked on initiatives to strengthen and improve the existing international mechanisms. He was previously a lawyer at Clifford Chance in London, and holds law and undergraduate degrees from the University of Toronto and a master's degree in political science from the University of Oxford. ■



GEOFFRAY ROBERT

Representative of Belgium on the ICAO Council

Geoffray Robert has been representing Belgium and the ABIS Group (common delegation of Austria, Belgium, the Netherlands, Luxembourg, Ireland, Portugal and Switzerland to ICAO) on the Council of the International Civil Aviation Organization since 2010.

Before departing for Montreal, Geoffray was Air transport Advisor to the Belgian Secretary of State for Mobility and was in charge of international civil aviation policy, including noise management policy at Brussels Airport.

Prior to that, he worked for the Belgian Civil Aviation Authority in the Airport and Airspace Policy Department where he was in charge of environmental issues. He was member of the European Group of experts on the Abatement of Nuisances Caused by Air Transport.

Geoffray holds a Master's Degree in Industrial Engineering and an additional degree in environmental management from the Université Libre de Bruxelles. ■



SEAN ROGERS

Director of Analysis and Evaluation, Transport Canada

Sean Rogers is the Director of Environmental Policy Analysis and Evaluation in Transport Canada's Environmental Policy Branch. He recently joined Transport Canada from the Privy Council Office where he was responsible for coordinating horizontal policy development across a range of environmental files relating to climate change, air pollution and other environmental initiatives, including the Emissions Control Area.

In his role as Director, he currently manages environmental files and initiatives relating to the air, marine and rail transportation modes. ■



SHONA ROSENGREN

Director, Aviation Environment Policy, Aviation Environment Branch,
Aviation and Airports Division, Australia

Shona Rosengren has specialised in environmental sciences for the past 15 years. She has a Master Degree in Environmental Management and Restoration Ecology, Degrees in Meteorology and Oceanography and is currently studying for her Masters in Urban Planning. She has worked as a navigator and meteorologist in the Royal Australian Navy and headed up the Australian Aviation and Defence Weather Services programs within the Australian Bureau of Meteorology. Shona was pivotal in the set up and running of the Environmental Impact Assessment program looking at the introduction of new assets, infrastructure and activities for the Australian Department of Defence. She is currently the Director of Aviation Environment Policy in the Department of Infrastructure and Transport, where she is responsible for providing guidance on a wide range of aviation environment policy issues including engine emissions, aircraft noise and carbon foot printing. She is also the Australian representative on the ICAO Committee for Aviation Environment Protection. ■



ANANTHANARAYAN SAIARAYAN

Environmental Officer, Environment Branch, ICAO

Sainarayan. A, is a Chartered Accountant and a MBA from the John Molson School of Business. He has been in the Finance Profession for the last 20 years. He worked initially with consulting firms in the Middle East and then with Air India Ltd. in Mumbai, Kuwait and Cyprus looking after an array of activities ranging from revenue accounting, CAPEX financing, treasury management, financial analysis, management information systems, document Control and fraud prevention. He currently works as a Modelling officer in the Air Transport Bureau, (Environment Branch) of the International Civil Air Organization (ICAO). ■



KATIA SIMEONOVA

Manager, Mitigation, Data and Analysis Programme, United Nations Framework Convention on Climate Change (UNFCCC)

With more than 25 years of experience in the energy and environment Issues Katia is the manager of the Reporting, methodologies and training sub-programme, within the Mitigation, data and analysis (MDA) programme of the UNFCCC secretariat in Bonn Germany , where part of her responsibilities are:

- 1) Lead and manage staff by providing technical, policy and administrative guidance, delegating responsibilities, monitoring performance, fostering team work and communication;
- 2) Provide strategic oversight, leadership and policy guidance on the infrastructure to operationalize the reporting and review system for the first commitment period of the Kyoto Protocol; manage the reporting and review process under the Convention and the Kyoto Protocol; and oversee the work of the expert review teams;
- 3) Provide strategic oversight, leadership and policy guidance on intergovernmental negotiations under the subsidiary bodies of the Convention on emission targets, methodological and implementation issues of mitigation, such as measurement, review and verification, reduced emissions from deforestation and forest degradation, developed countries mitigation, greenhouse gas emission inventories and training of experts; fluorinated gases and emissions from international aviation and maritime transport; national communications of developed country Parties; and best practices in policies and measures.

Prior of joining the UNFCCC Secretariat Katia, focused on policy analysis and modelling of climate change mitigation at the national context and also worked on climate change challenges in an international context mainly as a consultant to international institutions, such as the UNEP, World Bank and the UNFCCC secretariat.

Katia has a PhD on energy policy from the Moscow University on Power Engineering and a master's degree on international relations from the Fletcher School for Law and Diplomacy, to Tufts University, USA. ■

**PAUL STEELE**

Executive Director, Air Transport Action Group (ATAG)

Paul Steele is Executive Director of the Air Transport Action Group (ATAG), a worldwide alliance of the many companies and associations throughout the air transport industry interested in promoting economically beneficial aviation capacity and infrastructure improvements in an environmentally responsible manner. Members include airlines, airports, manufacturers, air traffic control authorities, airline pilot and air traffic controller associations, chambers of commerce, travel and tourism associations, ground transport and communications providers.

Paul is also the Senior Vice President, Member and External Relations (MER) of the International Air Transport Association (IATA). Prior to joining IATA in December 2007, he served as Chief Operating Officer of WWF International, with previous senior management roles with the Virgin Trading Company, the Hilton Hotel Group and Pepsi Cola.

Over the years, Paul has worked in a broad range of cultures and business environments, living and working in Germany, Austria, Turkey, Egypt, the United Kingdom and now Switzerland. He speaks fluent French and German, as well as some Italian and Eastern European languages. His hobbies include music, travel, wildlife, hiking and singing. He is married and has two children. ■

**TED THRASHER**

Environmental Officer, Environment Branch, ICAO

Ted Thrasher is the Environmental Officer for Modelling and Analyses at ICAO, where he is responsible for the modelling and assessment of aircraft noise and aircraft engine emissions. He coordinates related activities for ICAO's Committee on Aviation Environmental Protection (CAEP) in support of the development of international environmental standards for aircraft and the development of guidance material. Prior to joining ICAO, Mr. Thrasher was the Director of Simulation, Modelling, and Analysis for CSSI in Washington, D.C. Mr. Thrasher holds a Bachelor of Science degree in Aviation Engineering from The Ohio State University, a Master of Science degree in Systems Engineering from Johns Hopkins University, and a commercial pilot's license. ■



ROB THURGUR

Assistant Vice President, Operational Support, NAV CANADA

Mr. Thurgur is a graduate of the Queen's University Business program and has spent the last 17 years in the Air Traffic Control industry. He has held ATC endorsements in the Prince George Tower, both the Vancouver ACC En-route and Terminal specialties and in the Toronto ACC Terminal specialty. He was elected as Vice President of the Canadian Air Traffic Control Association (CATCA) in 1999 for two years and then held the position of President of CATCA for 6 years. In that capacity Rob held a position on the NAV CANADA Advisory Committee, chairing some of the sub-committees. He has also held board positions on two Labour Sponsored Investment Funds. He was appointed to the position of Manager, Toronto ACC Operations in August 2010, managing the Air Traffic Control responsibilities in Canada's busiest domestic airspace. In that capacity, Rob was part of the management team that implemented the WTM project in February 2012. ■



GUY TURNER

Chief Economist and Director of Commodity Research, Bloomberg New Energy Finance

In this capacity he is responsible for global analysis and business performance across power, gas and carbon markets as well as economic forecasting for all markets and geographies. Guy is also manages the company's global consulting business. Guy joined New Energy Finance in 2006 to set up New Carbon Finance – the business dedicated to forecasting the world's carbon markets and now absorbed into Bloomberg New Energy Finance – and he was part of the management that sold the company to Bloomberg in 2009.

Guy has over 22 years experience as a consultant and business manager in the fields of environmental economics, clean energy and climate change. He has worked for several governments to help design policies and advise companies on strategic choices in the environmental and energy sector. Prior to joining New Energy Finance Guy held senior management positions in a number of economic and consulting firms.

Guy holds degrees in Economics and Engineering from the University of Birmingham (UK), an MSc in Environmental Policy from Manchester University and is a graduate of the London Business School Corporate Finance Programme. He is also founding participant and member of the Carbon Market Investors Association, a member of the Barclays Environmental Markets Index Committee and a guest lecturer at Cass Business School in London. Guy is married with two sons and lives in Hertfordshire, England. ■

**CESAR VELARDE**

Manager, Observatory of Sustainability in Aviation (OBSA)

In 2006 César Velarde joined SENASA, Spanish State Company linked to its Civil Aviation Authority. Since 2007 he leads the Spanish Observatory of Sustainability in Aviation, a SENASA project that has become a national reference on aviation and sustainability, facilitating policy making in this field by interacting between authorities and involved stakeholders. Climate change policies and sustainable aviation biofuel development are among their main areas of activity.

He often represents Spain in international aviation & environment forums and is currently involved in several projects (www.itaka-project.eu, www.bioqueroseno.es) and international discussion groups on alternative fuels for air transport.

He holds an engineering degree from the Madrid University and prior to joining SENASA he has spent most of his career in the environmental assessment of transport infrastructures and ecological restoration. ■

**ARNALDO VIEIRA DE CARVALHO**

Lead Sustainable Energy Specialist with the Energy Division
Inter-American Development Bank (IDB)

Mr. Vieira de Carvalho has been working for the IDB since 1997 on financing and implementing sustainable energy projects throughout Latin America and the Caribbean, especially on energy efficiency, renewable energy and biofuels. He was Director of the Latin American Energy Organization - OLADE in Quito, Ecuador and General Manager for Power Generation and New Energy Technologies of Promon Engenharia, a leading Brazilian consulting firm in Rio de Janeiro and São Paulo, acting internationally, where he worked for more than 15 years. He has also worked as independent energy consultant in several Latin American countries for power utilities and international organizations such as The World Bank, the Organization of American States – OAS and several UN agencies. Mr. Vieira de Carvalho holds a Mechanical Engineering degree from the Aeronautical Institute of Technology – ITA in São José dos Campos, Brazil and a M.S. degree in energy from Kansas State University – KSU in Manhattan, Kansas. He published more than an hundred articles, technical papers and books in his field of expertise. ■



ANDREW WATT

Head of Environment, EUROCONTROL and CAEP Co-Rapporteur WG2 (Airports and Operations)

Andrew has almost thirty years' experience in the aerospace sector, covering the fields of earth observation, aircraft flight technology, satellite navigation and the environment. Much of that time has been spent as a senior manager in EUROCONTROL, which he joined at its Experimental Centre near Paris in 1995 as Project Leader Global Navigation Satellite Systems, ending up as manager of the Satellite Navigation Centre of Expertise. Upon his transfer to EUROCONTROL's Brussels Headquarters in September 2000, Andrew worked as personal adviser to the Director Safety and Airspace, before being appointed Environment Domain Manager in April 2003. In January 2009 Andrew was appointed Head of the Agency's Environment Unit, newly established to bring together all of EUROCONTROL's environmental expertise.

The EUROCONTROL Environment Unit sits within the Directorate Single Sky, and is responsible for:

- providing impact assessment methodologies and models, databases, expertise and advice in support of internal and external stakeholders;
- leading the majority of the environment tasks in the SESAR work programme including implementation of the methodologies and models to estimate the environmental benefits from SESAR operational and technical improvements;
- providing support to the European Commission on aviation environmental policy issues, covering noise and emissions, including the Emissions Trading Scheme (ETS);
- operating and maintaining the ETS Support Facility, designed to help European Competent Authorities and aircraft operators minimise their compliance costs;
- supporting the work of ICAO's Committee on Aviation Environmental Protection in co-ordination with Member States, the EC and EASA; and
- providing environmental training for Air Traffic Management professionals.

Andrew is co-Rapporteur of WG2 (Airports and Operations) of ICAO's Committee on Aviation Environmental Protection.

He graduated from the University of Glasgow in 1984 with B.Sc. (Hons) in Topographic Science and also possesses a Master of Philosophy in Air Transport Management from Cranfield University. Andrew is married with two daughters, plays the piano badly, and is a fair-weather mountain biker. He has also been elected to the EUROCONTROL Agency's Central Staff Committee. ■

**NANCY N. YOUNG**

Vice President of Environmental Affairs, Airlines for America® (A4A)

An environmental attorney with more than 20 years of experience, Ms. Young directs A4A environmental programs, represents the A4A airlines in international negotiations regarding aircraft noise and emissions standards, and provides counsel on other environmental issues of significance. She also serves on the Steering Group and as environmental co-lead of the Commercial Aviation Alternative Fuels Initiative® (CAAFI), which is working to hasten the deployment of commercially viable, environmentally preferred alternative jet fuels, and the Advisory Board to the Partnership for Air Transportation Noise and Emissions Reduction (PARTNER). She is a principal in the Farm to Fly initiative, a collaborative effort between A4A, the U.S. Department of Agriculture and Boeing to develop and enhance sustainable feedstock opportunities for aviation biofuels, and in the A4A Strategic Alliance with the U.S. Department of Defense, which is working to coordinate military and commercial efforts to deploy sustainable alternative aviation fuels. Ms. Young also participates in the working groups under the International Civil Aviation Organization's Committee on Aviation Environmental Protection.

Immediately prior to her current engagement with A4A, Ms. Young was a principal/partner at the law firm of Beveridge & Diamond, P.C. There, she provided comprehensive regulatory and litigation services with respect to a wide range of environmental media, including climate change, hazardous and solid waste, fuel management, spill prevention, air quality, noise and water quality. Ms. Young served as Co-Chair of the Firm's Climate Change and Waste Management and Recycling practices.

Ms. Young is a graduate of The College of William and Mary in Virginia (B.A., 1986) and of Harvard Law School (J.D., cum laude, 1990), where she served as Editor-in-Chief of the Harvard Journal on Legislation. She served as a Legislative Assistant to Congressman E. Thomas Coleman (MO) from 1986-87. Ms. Young is a member of the bar in Virginia and the District of Columbia. She is an active participant in the American Bar Association's Forum on Air and Space Law and the International Aviation Women's Association. ■



ENGELBERT ZOA ETUNDI

Representative of Cameroon on the Council of ICAO

With over 26 years of experience in the aviation field, Mr. Zoa Etundi prior of being nominated as Representative of Cameroon on the ICAO Council served ICAO Regional Office as Seconded Staff for the Safety Oversight Audit Branch where he led the development and preparation of draft safety oversight reports. During this period he audited several States, such as: Republic of Senegal, Central African Republic, Democratic Republic of Congo, Sudan, Swaziland, Ethiopia, Rwanda, Angola.

Prior to this assignment Mr. Zoa Etundi served the Civil Aviation Authority of Cameroon as Sub Director of Air Navigation Services (between 2001 – 2003), as Assistant Inspector for Services, Training Center Coordinator (between 2003 -2008) and as World Bank Regional Aviation Safety Expert (between 2004 – 2008).

In addition Mr. Zoa Etundi participated in numerous technical groups, mentioning ICAO(WF) working group on civil aviation frequency spectrum, CNS working group – APIRG, Audit Team member of USOAP, Vice Chairperson of APIRG MET Sub -group. He has been the Chairperson of ICAO Air Transport Committee between September 2011 – September 2012. ■