

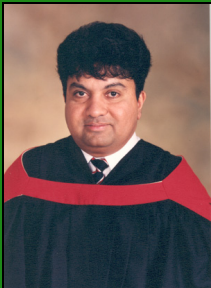


ICAO AVIATION AND SUSTAINABLE ALTERNATIVE FUELS WORKSHOP

ICAO Headquarters, Montréal, Canada

18 to 20 October 2011

BIOGRAPHIES



Dr. Ruwantissa Abeyratne

Senior Legal Officer, ICAO

Dr. Ruwantissa Abeyratne has worked in the field of aviation law and management for thirty years. He is currently Senior Legal Officer at the International Civil Aviation Organization.

Tissa holds two doctorates and a master's degree in air law. He has published 19 books and numerous leading journal articles on international law and aerospace law, in addition to many papers presented to conferences. Two of his recent books are Aviation and the Environment and Aviation and the Carbon Trade.

He is a Fellow of both the Royal Aeronautical Society and the Chartered Institute of Logistics and Transport.



Eng. Maryam Ali Ahmed Al Balooshi

United Arab Emirates

Professional Experience

July- Nov2010: Offered an internship with International Civil Aviation Organization (ICAO)- Environment Unit-Montreal- Canada.

April 2010- ongoing: Working as Manager Environment studies- UAE General Civil Aviation Authority (GCAA).

June 2009- March 2010: Worked as Manager Environment- Dubai Airports Company

Oct 2007 – June 2009: Worked as Legislator - Dubai airports Company

April 2006-Sep 2007: Worked as Health, Safety and Environmental officer in Department of Civil Aviation.-Dubai airport.

April 2004 to April 2006: Worked as Corporate Environment Coordinator in Emirates General Petroleum Company (Emarat), member of Integrated Management System (IMS) committee, Particularly coordinated the implementation of ISO14001 & OHSAS18001 and achieved both certificates.

May 2003-April 2004: Worked in the student and academic services department in HCT (high college of technology) Dubai Men's college as an administration assistant.

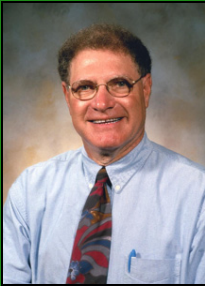
Also assisted math instructor during summer courses (math 100 and math 150).

Aug. 2000-Dec. 2000: Worked at ENOC Refinery as an industrial trainee.

July 1999-Aug.1999: Worked in Dubai Municipality, Drainage and Irrigation Department, as summer trainee.

July 1998-Aug.1998: Joined Dubai Municipality, Planning and Surveying Department, as summer trainee.

July 1995-Aug. 1995: Worked in Dubai Municipality, Public Libraries department, as summer trainee; volunteered in World Engineering Federation Organizations (WEFO) meeting and the International Alternative Energy Conference as Head of the Daily News letter (Arabic-English)–State of Kuwait Nov2009; attended a meeting with USA Congress delegations, nominated by Abu Dhabi Crown Prince Office (March 2008); volunteered as a head of media group in Al-Amal camp for handicap (Sharjah City for Humanitarian Services), 2008-2009; volunteered as a head of training and activities program in Al-Amal camp for handicap (Sharjah City for Humanitarian Services), 2004-2006; and participated in ALMANAL conference with my experience in writing in handicap field and arranging Emirates Film’s maker paper (2005).



Richard Altman

Executive Director, Commercial Aviation Alternative Fuels Initiative, CAAFI

Rich Altman is Executive Director of the Commercial Aviation Alternative Fuels Initiative (CAAFI). Rich co-founded CAAFI in 2006 with Airline, Manufacturer, Airport and FAA Sponsors.

The CAAFI coalition has led biofuels qualification for two alternative fuel types, created a Fuel Readiness Level systems risk management which serves as an ICAO "best practice", quantified carbon life cycle benefits for multiple processes and feedstocks, and facilitated the formation multi-airline buyer MOU's with fuel suppliers. CAAFI has led aviation a position of lead implementer for advanced biofuels among transport sectors in the U.S. CAAFI received Air Transport World Award for Industry Service in 2010.

Beyond CAAFI Rich has served as a consultant to the EU alternative fuel program SWAFEA, authored US Transportation Research critical issue papers on Technology Deployment and Alternative Fuels, developed analytical tools to evaluate alternative fuel projects, and guided global alternative fuels participation in the Paris, Farnborough and Australian Airshows



Ravin J Appadoo

President of Aviation Fuel Solutions Inc

Ravin Appadoo is President of Aviation Fuel Solutions Inc., an aviation fuel consulting company based on the South-shore of Montreal, Canada. He does consulting, research, training and audit work for major companies including airlines, airports, oil companies and not for profit organizations like IATA, the UN and ICAO.

Ravin Appadoo was formerly Assistant Director Fuel Services at IATA working from the Montreal Office where he was the focal point for all technical fuel work of the

commercial airline industry. He also led the work of important industry Groups including serving as secretary to the Aviation Fuel Working Group and Administrator of the IATA Fuel Quality Pool. Prior to joining IATA, Ravin followed a 15-year career at Air Mauritius, the national airline of Mauritius. His work experience covered a diverse portfolio of responsibilities ranging from purely engineering, operational and technical activity through consulting to more finance-related issues like fuel purchasing, financial risk management and aviation insurance.

Ravin is an engineer by training, holding a Bachelor degree in Mechanical Engineering. He also holds an MBA from Surrey University and a PhD from Cranfield University, U.K. His research work focused on Jet fuel and the impact of changing specifications on supply, distribution and price.



Amy Bann
 Director – Environmental Policy
 Boeing Commercial Airplanes

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Amy Bann is the Director of Environmental Policy at Boeing Commercial Airplanes, where she leads strategy development and implementation for global environmental policy issues confronting the aviation industry. Key focus areas include greenhouse gas emissions reduction and sustainable biofuel development. She works with the aviation industry and stakeholders including international institutions, governments, academia, nonprofits and other companies to advance strong environmental performance of Boeing aircraft and the industry.

Bann is a licensed attorney who worked in the public, private and nonprofit sectors prior to joining Boeing. She is experienced on a variety of environmental, transportation, labor and other policy and legal matters. She recently served as an expert delegate to the ISO 26000 social responsibility standard. Bann holds a Juris Doctorate from the University of Miami and a Bachelor and Master of Arts from Virginia Tech in Political Science / International Sustainable Development.



Raymond Benjamin
 Secretary General, ICAO

Mr. Raymond Benjamin is Secretary General of the International Civil Aviation Organization since August 2009. His extensive career in civil aviation spans more than 30 years. It includes 13 years as Executive Secretary of the European Civil Aviation Conference (ECAC) where he was responsible for the development of policy advice and strategic options to the President and to the 42 Member States of the Conference. Prior to joining ECAC, Mr. Benjamin was Chief of the Aviation Security Branch of the Air Transport Bureau of ICAO from 1989 to 1994. Among his responsibilities was the provision of advice to the Secretary General and the President of the Council on security policy matters and the development of a worldwide airport assessment and technical assistance programme. He also served as Air Transport Officer and Deputy Secretary of ECAC from 1982 to 1989 and held various positions in the Civil Aviation Administration of France from 1973 to 1982. Mr. Benjamin holds a Master's degree in Public Law and Diplomas from the Institute of Political Studies and the Institute of Higher International Studies, Paris. A French citizen, he was born on 24 November 1945, in Alexandria, Egypt.

Peter Bombay

Head of Office, Representative of European Union to ICAO

Peter Bombay (°1967) is Administrator in the European Commission.

Since 1 September 2010 he is the Head of Office of the EU Office in Montreal and EU Representative to the International Civil Aviation Organisation (ICAO).

From 2002 until 2010 he worked in the EC's Aviation Directorate at the Directorate general for Transport and Energy (DG TREN), in the Unit dealing with internal market and external aviation relations. In this Unit he was the main negotiator for the European Common Aviation Area (ECAA) Agreement, after which he became responsible for the coordination of multilateral relations (notably with ICAO and ECAC).

From his entering the European Commission in 1999 until 2002 he was a member of the International Affairs Unit of the European Commission's Environment Directorate-General (DG ENV), with responsibility for the coordination of multilateral environmental agreements.

Before entering the European Commission, he has worked for 4 years as Foreign Policy Advisor to the Minister-President of Flanders, as member of his Private Office. Earlier on he worked as an academic assistant in international law at the University of Leuven (BE), and was a legal practitioner in the law office he set up in the beginning of his professional career.

Peter Bombay holds a Master's Degree in law (honours) as well as a Bacchalaureus's Degree in philosophy from the University of Leuven (BE), and a post-graduate Diploma in European Administrative Studies (honours) from the College of Europe in Bruges (BE). He spent part of his law studies at University College, Galway (IE) and at the United Nations Peace Academy in The Hague (NL).

In 2000 he was elected Member of the Communal Council of his hometown, where he served as leader of his political group until 2007.



Nate Brown

Federal Aviation Administration (FAA), United States

Nate Brown is Alternative Fuel Project Manager in the FAA's Office of Environment and Energy, the office with principal responsibility for U.S. aviation environmental policy, research and development. At FAA, Nate focuses on energy, climate change and aviation alternative fuels issues. He is an advisor to the Commercial Aviation Alternative Fuels Initiative (CAAIFI), a public-private partnership for advancing alternative jet fuels for environmental sustainability and energy security. Nate has also worked for the U.S. Department of Transportation's Research and Innovative Technologies Administration (RITA) and on international climate change initiatives at the U.S. Department of State's Office of Global change. Prior to joining the FAA he worked in international development and was a Peace Corps Volunteer in Ecuador. He holds a Masters degree in International Affairs with a focus on energy policy and climate change.



Dr. Christiane Bruynooghe

Directorate-General for Research and Innovation,
European Commission

Dr. Christiane Bruynooghe did the major part of her carrier in applied R&D related to nuclear power plants, in close connection with the industry in France and Germany. In 2007 she joined the European Commission Joint Research Centre of Petten (Netherlands) responsible of a sector promoting harmonized approaches for safety of nuclear reactor power plants in the EU. Recently (June 2011) she joined the Directorate Research for Transport - Aeronautics (European Commission, Brussels), where she found many similarities with the world she very well knows: a strong involvement of industry in R&D, major importance of safety standards, necessity of dialog between industry and policy makers. Inside DG-Research Transport-Aeronautics Christiane is in charge of the alternative fuels topic.



Joachim Buse

Vice President Aviation Biofuel
Lufthansa German Airlines

Education:

1983 Diploma (Diplom-Betriebswirt), Hamburg College of Economics and Politics.

1986 MBA (Diplom-Kaufmann) Hamburg University.

Professional Career:

1986 – 1992 Lufthansa German Airlines, Manager Aircraft Contracts Airbus Industrie

1992 – 1996 Lufthansa German Airlines, Deputy General Manager Fuel Procurement

1996 – 2005 Managing Director AFS Aviation Fuel Services GmbH(Intoplane Refuelling Services)

2003 – 2005 Managing Director Globefuel Systems & Services GmbH (an AFS subsidiary) (IT Software)

2005 – 2009 Lufthansa German Airlines CPO – Vice President Corporate Procurement since December 2009 Vice President Aviation Biofuel



Dr. Fayette Collier

Project Manager, NASA's Environmentally Responsible Aviation – ERA

Fay is currently the Project Manager of the Environmentally Responsible Aviation Project of the Aeronautics Research Mission Directorate. He was responsible for formulation and start up of this new project, the first new start for NASA Aeronautics in over a decade. ERA was the first project in the newly formed Integrated System Research Program.

In this capacity, he directs the planning and execution of NASA's integrated system research project focused on the subsonic transport sector, working in partnership with Industry, FAA, AFRL and other government agencies. The research project is focused on development and integration of engine and airframe technologies that will enable dramatic improvements in noise, emissions, and performance characteristics of future subsonic aircraft operating in the air transportation system.

Dr. Collier is a graduate of Virginia Tech (Ph.D., 1988) and the Massachusetts Institute of Technology (M.B.A., 1997) where he participated as a NASA Sloan Fellow. He serves on numerous committees for the Agency, including the JPDO's Environmental Working Group, and the AFRL Fixed Wing Executive Council, and was a contributor to

the development of the National R & D Plan for Aeronautics. He is an advisor to many students across the country. Dr. Collier is an Associate Fellow of the AIAA.



Linden Coppell

Head of Environmental Affairs
Etihad Airways

Linden joined Etihad Airways in 2009 with responsibility for developing and implementing the environmental management strategy throughout all elements of the business. In particular she is responsible for ensuring compliance with environmental regulations and developing and implementing programmes for key areas such as emissions management, waste management and in managing programmes and initiatives relating to alternative sustainable fuels.

Previously Linden worked as the Environmental Manager of Cathay Pacific Airways. During this time she implemented many successful programmes such as the climate change strategy and offset programme and successfully reinvigorated environmental reporting.

She represents Etihad Airways on the Environmental Committee of the International Air Transport Association (IATA), the Environmental Policy Group of the Arab Air Carriers Organization (AACO) and the Sustainable Aviation Fuel Users Group.



Dr. Delia Dimitriu

Manchester Metropolitan University – MMU-CATE

Delia Dimitriu, is an International recognised expert with more than 15 years in environmental matters as they relate to air transportation. She is an academic researcher at the Centre for Air Transport and the Environment, Manchester Metropolitan University, Manchester, United Kingdom, but also a senior consultant acting as adviser for several governments of the EU- New Member States.

Delia has experience in leading, managing and supervising complex technical co-operation projects, activities and programmes.

As an IPCC expert, Delia is part of the team awarded with the 2007 Nobel Peace Prize. Recently she was selected as Lead Author to the IPCC Fifth Assessment Report , WG3. Delia was involved in the ICAO CAEP process during 1998-2000, representing IATA in the former WG4 on operational practices.



Frederic Eychenne

New Energies Programme Manager, Airbus

Frederic EYCHENNE has been Airbus New Energies Programme Manager since May 2011 within the Environmental Affairs department. In this role, Frederic manages all the Airbus Alternative Fuels Value Chain Projects. He also contributes to all initiatives in conformance to the Airbus New Energies strategy. He is sharing the information throughout the energy network and contributes to represent Airbus alternative fuels at conferences and to the press.

Frederic started his career in Toulouse (1987) working in Biometrics for an agronomic and seed selection company. He joined another company (1991) to take the lead of a Business Unit for IS Project Management and Consulting activities.

He joined Airbus (2002) in Concurrent Engineering Department playing a significant

role in Process and Tools harmonization in developing new Product Data Management for Electricity and Systems Configuration Management (CM) for the A380, A400M and A350 Programmes.

Frederic was born in Toulouse in 1965. He graduated with an Engineering Degree in Computer Science. Frederic is married with two children and enjoys family life, Rugby, and Golf.



Guilherme Freire

Environmental strategies and technologies director
Embraer S.A.

Guilherme Freire, 37, is a Civil Engineering with Executive MBA at Insuper-SP.

Joined Embraer in 2002 and worked in the E-Jet Program Management Team until 2005, during the Program certification and Entry into Service Phase.

Between 2006 and 2008 he has started a new project, representing Embraer at governments, international organization and industry associations, related to foreign affairs, trade and environment.

In October, 2008 has started leading Embraer Environmental Strategies, developing Embraer's environmental protection policies, supporting business units and other areas of the Company in establishing strategies for reducing the environmental impact of its manufactured products and production processes.

He coordinates the environmental issues at the Brazilian Aerospace Industry Association - AIAB, is an Air Transport Action Group – ATAG – Board member and is also Executive Director of the Brazilian Alliance for Aviation Biofuels – ABRABA. Prior to join Embraer, Guilherme also worked in investment banking and consultancy industry.



Jeff Gazzard

Board Member of the Aviation Environment Federation

Jeff Gazzard is a Board Member of the Aviation Environment Federation, coordinates the European GreenSkies Alliance network, and is involved in grass roots campaigning, policy development and international advocacy to control and reduce the negative environmental impacts of air transport. Jeff is the co-rapporteur of a task force developing a set of environmental indicators for aviation within a 41 country inter-governmental group, the European Civil Aviation Conference; is an advisor to the World Health Organisation on transport, environment and health issues; and is also the policy advisor to the All-party Parliamentary Sustainable Aviation Group at Westminster. The AEF also administers the International Coalition for Sustainable Aviation, a world wide alliance of NGO's with observer status at the UN International Civil Aviation Organisation's Committee for Aviation and Environmental Protection. Jeff Gazzard had a previous career in advertising and marketing for multinational companies in consumer electronics and financial service



Dr. Jennifer Holmgren

Chief Executive Officer, LanzaTech

Jennifer Holmgren joined LanzaTech as its CEO in June 2010, bringing extensive experience in the energy sector including a proven track record in the development and commercialization of fuels and chemicals technologies.

Prior to LanzaTech, Jennifer enjoyed a 20 year career with UOP LLC, a Honeywell Company. In her most recent role at UOP as Vice President and General Manager of the Renewable Energy and Chemicals business unit Jennifer led UOP's renewable business from its inception through to the achievement of significant revenues from the commercialization of multiple novel biofuels technologies. Prior to this assignment, Jennifer was Director of Exploratory and Fundamental Research at UOP. This group was accountable for UOP's strategic R&D portfolio and delivering new tools and methods.

Jennifer earned a bachelor's of science degree in Chemistry from Harvey Mudd College a doctorate degree in Inorganic Materials Synthesis from the University of Illinois at Urbana-Champaign and an MBA from the University of Chicago.

She currently serves on multiple external advisory boards, including the DOE/USDA Biomass R&D Technical Advisory Committee and the NREL Biofuels Advisory Committee.

She is the author or co-author of 50 US patents, 31 scientific publications and is the 2003 recipient of the Council for Chemical Research's (CCR) Malcolm E. Pruitt Award.



Jane Hupe

Chief, Environment Branch, ICAO

Jane Hupe is the Chief of the Environment Branch, in ICAO's Air Transport Bureau. She provides advice to the Organization on aviation related environmental matters; cooperates with UN bodies and International Organizations; manages the Environment Branch and coordinates the activities of the ICAO Council's Committee on Aviation Environmental Protection (CAEP), serving as its Secretary.

Jane has also worked with ICAO as a consultant to ICAO's Technical Co-operation Bureau, providing direct assistance to ICAO's Contracting States in the environmental field. For 15 years she served as an adviser on environmental protection related subjects for the Institute of Civil Aviation (IAC) in Brazil, developing policies and regulations and representing the Ministry of Aeronautics at government related environmental forums.

Michael Hurd

Director, Environmental Strategy
Boeing Commercial Airplanes

Mike Hurd is the director of Environmental Strategy for Boeing Commercial Airplanes. In this role, he leads environmental strategy and analysis for the Boeing business unit to ensure its products and services are aligned with measurable environmental performance objectives. Additionally, Hurd directs efforts to catalyze development of a sustainable aviation fuel industry.

In his previous position, Hurd served as a senior manager in Product Strategy, where he led a team responsible for developing product strategies for airplane features including flight decks, cabin interiors, flight operations, safety, security and environmental benefits.

Previous assignments in the company have included various management roles in Engineering, ranging from leading a team responsible for developing technology investment plans within Product Development, to leading a Customer Engineering team in the development of option catalogs for production model aircraft. Previously, he was manager of Simulator Engineering within Commercial Airplanes Customer Services, where his team was responsible for delivering and maintaining flight and maintenance simulators used to train customer personnel in the operation of Boeing aircraft.

Hurd joined Boeing in 1980 as an engineer in Flight Operations Engineering, where he developed and later managed the development of flight planning software for leading airlines around the world. These tools are used today by customers for developing efficient flight plans, and for monitoring in-flight performance of daily operations, to ensure optimal efficiency.

Hurd received a Bachelor of Science degree in Aerospace Engineering from Iowa State University in 1980.

Contact: Communications 206-766-2949



Dr. Nicolas Jeuland

Head of Department Fuels and Lubricants at IFP New Energies in France, and member of the Alfa-Bird Steering Committee

Nicolas Jeuland has an engineer diploma in chemistry and a master of science in fuel and engines. He joined IFP Energies Nouvelles in 1999 where he was involved in several research programmes dedicated to fuel formulation, biofuel development and combustion studies, such as CLEAN (EU FP5 programme dedicated to diesel biofuel optimisation), PARTICULATES (EU FP6 dedicated to particulates emissions characterisation...).

From 2005, he is the leader of the "Fuels, Lubricants and Emissions" department at IFP Energies nouvelles, a team dedicated to the study of all the engine / fuel interactions (combustion, pollutant emissions, deposits formation...). He was strongly involved in several research programmes dedicated to aviation fuel, such as CALIN in France and Alfa Bird / Swafea at a European level.

He is also teaching fuel and biofuel formulation in several French high school such as IFP School or ISAE (french high school of aeronautics).



Andy Kershaw

Manager Environmental Policy , Sustainable Aviation Fuel Users Group (SAFUG)

Andy Kershaw is Environmental Policy Manager at British Airways and holds a Masters degree in Environmental Economics from Imperial College London. He has contributed to research into multilateral climate policy for aviation, competitiveness impacts of emissions trading, sleep disturbance from aircraft noise and noise-reducing flight procedures. Andy is chairman of the Association of European Airlines

Climate Change Committee and is programme manager of the Aviation Global Deal Group



Dirk Kronemeijer

Managing Director, SkyNRG

The SkyNRG mission is to help create and accelerate development of a market for sustainable jet fuel. Fuel which is safe, sustainable and affordable.

Its goal is to becoming the global down stream leader in sustainable jet fuel
 ...that is recognized for its best in class sustainability approach
 ...that will help its customers to bring down the price over time and make it structurally affordable
 ...and create value for its shareholders.

Before he founded SkyNRG , Dirk worked for 12 years in the airline industry in London and Amsterdam for both low cost as flag carriers, his last position being Vice President Business Innovation at KLM Royal Dutch Airlines.

Dirk Kronemeijer (1974) achieved his MSc in Business Economics from the University of Groningen and he completed executive programs at the International Institute for Management Development (IMD) and INSEAD.



John Lo

General Manager HSSE, Operations & Technical,
Shell Aviation

John Lo is the General Manager HSSE, Operations & Technical of Shell Aviation. He has over 20 years of experience span across industries from Oil & Gas, Chemicals, Logistics, Engineering and Manufacturing. In this role John is responsible for the operations and safety performance of Shell's Global Aviation business which consists of over 500 airports around the world, as well as tank farms and fuel hydrant systems. In addition, John also manages the R&D program for jet fuels development and aviation lubricants.

John serves on numerous Boards and committees including the Board of Directors for Shell Aviation Limited, CNOOC Shell Petrochemicals Company Limited and AFSC Refueling Limited. He holds a degree in Chemical Engineering from the University of Toronto, as well as a MBA degree from University of Durham Business School, UK.



Gilberto Lopez Meyer

Director General, Airports and Auxiliary Services – ASA, Mexico

Gilberto López Meyer, was born in Guasave, Sinaloa, México, in 1963. He studied a Bachelor's in Law at the National Autonomous University of Mexico (Universidad Nacional Autónoma de México) and has a degree of Commercial Pilot from the International Training Center in Civil Aviation of the Ministry of Communications and Transport (MCT).

He has post-graduate studies in Civil and Mercantile Procedural Law and Labor Law from the Pan-American University, as well as in the Advanced Negotiation course from Harvard University's Law School. He has training as an Aircraft Accidents Investigator, from the University of Southern California.

He was appointed Director General of Civil Aviation of the MCT, on February of 2003, ending his tenure on the 15th of September of 2008.

On the 16th of September of 2008, he was appointed by the President of Mexico as Director General of Aeropuertos y Servicios Auxiliares.



Dr. Chris Malins

Clean Fuels Program Lead for the International Council on Clean Transportation

Dr. Chris Malins is the Fuels Program Lead for the International Council on Clean Transportation. His primary research focus is the indirect effects of biofuel production, and he also works on the carbon intensity of fossil fuel extraction. He is a member of the Low Carbon Fuels Standard Advisory Panel and sits on the RSB Indirect Effects Expert Group. He joined the ICCT from the UK's Renewable Fuels Agency, where he led on communications from the Agency's creation. He holds a doctorate in Applied Mathematics from the University of Sheffield.



Salim Morsy

Bioenergy Analyst, Bloomberg New Energy Finance

Salim Morsy is a bioenergy Analyst at Bloomberg New Energy Finance, based in São Paulo. He covers Latin American bioenergy markets, and Brazil in particular. Areas of focus are the hydrous and anhydrous ethanol markets of Brazil, biomass potential, and investment trends in first and next-generation technologies in the ethanol market.

Prior to joining Bloomberg New Energy Finance, Salim worked as a crude oil derivatives broker in New Jersey and as a consultant for the European Commission in Rotterdam. Salim holds a bachelor's degree in Political Science from Bard College, NY and an MSc in European Political Economy from the London School of Economics. He was a US Fulbright Scholar in Colombia conducting research on sustainability regulations as they pertained to the Colombian biofuels sector



Philippe Novelli

ONERA - France, Coordinator of the SWAFEA European study

Graduated from Sup'Aero engineering school in France, Ph. Novelli has started his career at Onera, the French Aerospace Lab, in the field of advanced propulsion systems studies and CFD for combustion. Since then, he has been working on various propulsion systems from turbojet to rocket engines.

He was project manager of a Franco German cooperation on high speed propulsion and later responsible for the coordination and development of space transportation activities at ONERA.

He is today responsible for R&T programs management and new activities development in the Energetics Department, and he was the coordinator of the SWAFEA European study.



Xavier Oh

Senior Manager Environment and ICAO Liaison, ACI

Xavier Oh has been Senior Manager Environment and ICAO Liaison at Airports Council International (ACI) since September 2005.

Xavier is the ACI Observer on ICAO's Committee on Aviation Environmental Protection (CAEP) and participates at all levels from the triennial CAEP meetings and Steering Group to the technical working groups on noise, emissions, operations and modelling. He also supports and coordinates airport participation and input on these groups.

As the secretary of ACI's World Environment Standing Committee (WESC), one of his main tasks is developing, coordinating and implementing policy and positions on all issues relating to the environment and airports. Other WESC tasks include supporting environmental training for airports, sharing best practice between airports and working with other aviation industry organizations.

Xavier's background includes mechanical engineering studies in Australia and Canada, working as a consultant in machine and structural dynamics in Australia and Malaysia, and also as an acoustical engineer in New Zealand.



John Plaza

President and CEO,
Imperium Renewables

Mr. Plaza is CEO and Founder of Imperium Renewables. Mr. Plaza started the company in February 2004 with the company's core focus to develop and build advanced technology for biofuel production. Since 2004, Imperium has developed, built and now currently operates one of the largest biodiesel production facilities in the world at 100 million gallons per year, Imperium Grays Harbor (IGH).

Mr. Plaza has led the company's fund raising efforts for a total of over \$250 million of financing, as well as leading Imperium's biodiesel operations, which have resulted in the company seeing seven consecutive quarters of profitability since Q4-'09.

Prior to founding Imperium Renewables, Mr. Plaza was a commercial airline pilot for 20 years and has flown over 50 different aircraft, starting his career in Alaska as a bush pilot and going on to fly for Northwest Airlines for the last 10 years of his career.



Jim Rekoske

Vice President & General Manager
Renewable Energy and Chemicals, Honeywell's UOP

Jim Rekoske is Vice President and General Manager of the Renewable Energy and Chemicals business unit at Honeywell's UOP, a leading developer and licensor of technologies for the production of high-quality green fuels. In addition, Jim serves on the Board of Directors of Envergent Technologies, a UOP joint venture company and is Chairman of the Board of the National Alliance for Advanced Biofuels and Bio-Products (NAABB).

Jim earned bachelor's and master's degrees in chemical engineering at the University of Wisconsin and a doctorate in chemical engineering from the University of Delaware. He also earned an MBA degree from the University of Chicago's Booth School of Business.



Alejandro Rios, Ph. D.

Director, Fuel Services, Aeropuertos y Servicios Auxiliares, ASA – Mexico

Alejandro Ríos has been the Director of ASA Fuel Services for the last 9 years, where he oversees the operation and management of a network of over 60 fuel farms and their associated 2,000+ apron into-plane operations. He holds a Bachelor's degree in Civil Engineering from the Universidad Iberoamericana in Mexico City, and a Masters and Ph. D. degrees in Civil and Environmental Engineering, specializing in Transportation and Environmental Systems, from Cornell University in Ithaca, NY, USA.

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 currently heads the Plan de Vuelo (Flight Plan) initiative that is promoting the development of a sustainable aviation biofuel industry in Mexico.



Matthew Rudolf

Regional Manager, Americas, Roundtable on Sustainable Biofuels

Matt has worked in biofuels and development since 2003. Prior to his work with the RSB, Matt served as Executive Director of Piedmont Biofuels, a biodiesel cooperative in North Carolina known for its emphasis on best practices and sustainable production. While at Piedmont Biofuels Matt helped build and operate a small biodiesel plant, directed feedstock collection and biofuel distribution, and led a biofuels education and internship program. Prior to his work with Piedmont Biofuels Matt worked with rural communities on biofuel project development in Central America.



Mark Rumizen

ASTM/Commercial Aviation Alternative Fuels Initiative,
Aviation Fuels Specialist, CAAFI

Mark Rumizen currently serves as a member of the Commercial Aviation Alternative Fuels Initiative (CAAFI) steering committee and is the leader of the CAAFI Certification & Qualification Panel. He has been employed by the Federal Aviation Administration (FAA) since 1991 and is currently the Aviation Fuels Specialist in the Aircraft Certification Division.

Mark was recently appointed to the Executive Subcommittee of the ASTM International Aviation Fuels Subcommittee and served as the Chairman of the ASTM International Aviation Synthetic Fuels Task Force. This task force recently developed ASTM standard D7566, the first specification for synthetic aviation fuels. He was also elected to the Coordinating Research Council (CRC) Aviation Fuels Steering Committee.

Prior to the FAA, Mark was employed by GE Aircraft Engines and Pratt & Whitney

Aircraft in engineering and marketing roles. He has a Bachelor of Science degree in Civil Engineering from the University of Buffalo and a Master of Business Administration (MBA) from Boston University.



Donald P. Schenk

President, ACA Associates, Inc.

Mr. Schenk is President and CEO of ACA Associates, Inc., an aviation advisory firm that specializes in alternative fuels. His focus is the linkage between supply chain sustainability and financing.

Mr. Schenk has conducted research to help understand lending institutions' evaluation of the business case for alternative aviation fuel refineries. He works with the supply chain, from agricultural interests to airlines, and with U.S. agencies such as the Department of Energy, Department of Agriculture, Department of Defense, and the FAA. Internationally, he is active in Latin America and Canada.

Mr. Schenk's clients include: Airport Cooperative Research Council, Air Transport Association, CAAFI, FAA, Inter American Development Bank, and the Port Authority of New York and New Jersey. He works with consortiums such as: CAAFI, the USDA's "Farm to Fly" program and the World Economic Forum.



Dr. Andreas Sizmann

Head of Future Technologies and Ecology of Aviation, Bauhaus Luftfahrt

Dr. Andreas Sizmann, Head of Future Technologies and Ecology of Aviation, joined Bauhaus Luftfahrt in 2007. With his diverse team of scientists and engineers he is responsible for future technology and ecology analysis based on latest advancements in science and technology. He brings more than 20 years of research and development experience from academia as well as industry to the team and he connects the team with a network of scientists and innovators across many disciplines and organizations.

He has been Director of Optical Research at Innovance Networks (Ottawa, Canada), Professor at the Ludwigs-Maximilians University Munich and University of Constance (Germany) as well as Guest Scientist at the IBM Almaden Research Center (San Jose, CA, USA) and at Laboratoire Kastler Brossel de l'E.N.S. (Paris, France).

He received a postdoctoral degree (Friedrich-Alexander University of Erlangen), a doctorate degree (Ludwig-Maximilians University) and a diploma (Technical University of Munich) in physics.



Paul Steele

Air Transport Action Group Executive Director, ATAG

Paul Steele is Director Aviation Environment of the International Air Transport Association (IATA). He is responsible for guiding and implementing IATA's environment strategy worldwide. IATA represents some 230 airlines comprising 93% of scheduled international air traffic. Paul is also Executive Director of the Air Transport Action Group (ATAG) a cross-industry body that promotes sustainable aviation.

Prior to joining IATA in December 2007, Paul was Chief Operating Officer of WWF International. In this role, he worked extensively on spearheading major partnerships

with business and industry with a view to helping them to develop and implement environment strategies.

Before WWF, Paul had over 20 years' senior management experience with major international companies. His roles included Chief Executive of The Virgin Trading Company, the consumer goods arm of Richard Branson's entrepreneurial empire; Senior Vice President Sales, Marketing and Information Technology of the Hilton Hotel Group, covering 150 hotels in 50 countries and overseeing a sales and marketing team of 1,000 people; and various senior roles at Pepsi Cola International, lastly serving as Group Vice President in charge of Northern Europe.

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.



Russell Stratton

Department of Aeronautics and Astronautics,
Massachusetts Institute of Technology - MIT

Russ Stratton is presenting work conducted while a Masters student and research engineer in the department of aeronautics at MIT in the Partnership for Air Transportation Noise and Emissions Reduction. Russ's Masters research was with Dr. James Hileman and Dr. Ian Waitz in assessing the life cycle greenhouse gas impacts of alternative jet fuels on climate and quantifying the production potential and system level trades of fuel production from various feedstocks. Previous to attending MIT, Russ earned his B.Sc. in Physics and Mechanical Engineering from Queen's University at Kingston, Ontario. He is now working at Bombardier Aerospace doing aircraft design for the environment.



Ambassador, Jorge Taunay

Representative of Brazil on the Council of ICAO

Ambassador Jorge d' Escragnolle Taunay Filho was born in Paris, France on June 1st , 1947, son of Jorge d' Escragnolle Taunay and Mary Elizabeth Penna Costa d'Escragnolle Taunay.

December 22nd, 1976 – Consulate General of Brazil in New York - Third and Second Secretary and Deputy Consul General

February 22nd, 1979 – Embassy of Brazil in Montevideo, Uruguay - Second Secretary

September 10th, 1979 – Head of the Human Resources Division

January 07th, 1985 – Head of the Financial Resources Division

May 19th, 1987 – Embassy of Brazil in Lisbon, Portugal – Counsellor

June 22nd, 1990 – Embassy of Brazil in Harare, Zimbabwe – Counsellor

September 09th, 1999 – Embassy of Brazil in Luanda, Angola – Ambassador

August 09th, 2006 – General Secretary of South America – Alternate General Secretary

November 25th, 2007 – Embassy of Brazil in Lima, Peru - Ambassador



Ted Thrasher

Environment Officer, 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.

Cindy Thyfault

President, Westar Trade Resources

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Dallas, TX 75201
214-320-0900
cindy@westartrade.com



Cindy Thyfault, Founder and CEO, has over 26 years business experience in development, management and funding of bioenergy projects, food and fiber manufacturing, oilseed manufacturing, green building products and residential and industrial construction, both domestically and internationally.

She organized Westar Trade Resources in 1994 to develop new businesses, both domestically and internationally, and provide consulting services to companies from start-up through expansion. She has assisted companies with obtaining over \$447 million in USDA, DOE, and Export-Import Bank government assisted funding programs.

Ms. Thyfault received her bachelor's degree in business with an emphasis on international business and marketing from West Texas A & M University, Canyon, Texas and has completed course work toward an MBA degree.

Ms. Thyfault also has served as the founding Chairman of the Sustainable Technologies Committee for the Dallas Regional Chamber, and as past Treasurer for the North Texas District Export Council, a volunteer organization assisting development of international trade as part of the U.S. Department of Commerce. She has served as a member of Rural Alliance for Renewable Energy, a public/private association dedicated to stimulate job creation and economic development in rural Texas and to promote energy security and independence, and serves on the Texas 25 x 25 steering committee.

Ms. Thyfault is also an accomplished speaker and has given presentations on value-added agricultural development and bio-energy topics, including the Paris Air Show, Paris, France, 2011; OPIC Renewable Energy Finance for Emerging Markets Conference, New Delhi, India, 2010; Renewable Energy World Conference, 2010; National Algae Association, 2008-2009; 11th Annual Africa Summit, 2009; Rural Alliance for Renewable Energy Workshop, 2009; Sustainable Technologies Issue Forum, 2008; Champaign County Farm Bureau, 2008; Texas Renewable Energy

Industries Conference, 2007; West Texas District Export Council Seminar, Midland, TX, 2006; Texas Tech University Center for Public Service Conference, Lubbock, TX, 2006; Bi-Energy Texas Conference, 2006; and the Texas Renewable Energy Industries Association Conference, 2006.



Cesar Velarde

Observatory of Sustainability in Aviation
(OBSA)
Services and Studies for Air Navigation
and Aeronautical Safety (SENASA)

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Since 2007 César Velarde leads the Spanish Observatory of Sustainability in Aviation, a SENASA project that has become a national frame of reference on aviation and sustainability, and facilitates policy making in this field by interacting between authorities and involved stakeholders. Among their main areas of activity are climate change policies and sustainable biofuel development. As OBSA manager he often takes part in international aviation & environment forums.

He joined SENASA in January 2006 as engineer and environmental expert. SENASA is a Spanish State Company linked to the Ministry of Public Works through the Civil Aviation Authority where he specialized in environment related to air transport, performing consultancy and technical assistance in aviation and environmental issues.

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.

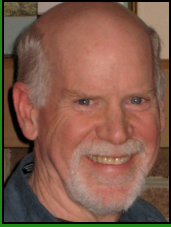
His father is a veteran commercial pilot and his brother has followed those steps so he was flying before walking and aviation keeps driving his personal and professional life.



Arnaldo Vieira de Carvalho

Lead Sustainable Energy Specialist at the Energy Division, Inter-American
Development Bank – IDB

Arnaldo Vieira de Carvalho is Senior Sustainable Energy Specialist with the Energy Division of the Inter-American Development Bank (IDB) in Washington, DC, USA. He has been working with biofuels since the seventies. Mr. Vieira de Carvalho has worked for the IDB since 1997 on financing and implementing sustainable energy projects, including biofuels, throughout Latin America and the Caribbean. He was Director of the Latin American Energy Organization in Ecuador and occupied several positions in the private sector, including General Manager and Department Head. Mr. Vieira de Carvalho has also worked as an independent energy consultant for power utilities in several Latin American countries, as well as with international organizations such as The World Bank, the Organization of American States and various UN agencies.



Sandy Webb

Managing Director of the Environmental Consulting Group, Inc

Sandy Webb is Managing Director of the Environmental Consulting Group, Inc. He has over 25 years of experience in environmental consulting focused on aviation. Mr. Webb serves as Research Focal Point for Alternative Fuels for ICAO where he tracks information on worldwide alternative fuel research, proposed production processes, production announcements, development programs, market studies, project financing agreements, user contracts and agreements, and flight tests and demonstrations. He recently served as Assistant Secretary for the ICAO Conference on Aviation and Alternative Fuels in Rio de Janeiro. He was senior technical advisor for Airport Cooperative Research Program (ACRP) project 02-07 - Handbook for Analyzing the Costs and Benefits of Alternative Turbine Fuels at Airports. He also is serving as secretariat for the Aircraft Emissions Characterization Roadmap, a unified regulatory R&D roadmap for understanding and quantifying aircraft particulate emissions sponsored by FAA in collaboration with NASA, DOD, and EPA as well as manufacturers, airports, airlines, and other stakeholders.



Kevin Weiss

Chief Executive Officer of Byogy Renewables, Inc.

Kevin Weiss serves as CEO of Byogy with 25 years of driving operational, financial & revenue growth experience. Kevin was formerly CEO, of JMH Weiss Inc., a successful engineering firm, for 16 years in San Jose, California. He has worked on over 4,000 engineering design projects for both public and private sectors. Kevin's extensive knowledge in environmental development and processing and has placed him at the forefront of global sustainable/green initiatives.

He holds BS degrees in Civil Engineering, Physics, and Math from the Penn State University, State College PA.



David White

Manager Sustainability & Climate Change
Virgin Australia Airlines

David is the Manager of the Sustainability and Climate Change Department at Virgin Australia Airlines. He has an Electrical Engineering degree and a Masters in Engineering Science. David worked on climate change issues in government and industry for ten years prior to joining the airline in 2005 and is currently overseeing a new sustainability framework as well as leading the renewable aviation fuel team.



Zheng Xingwu

Professor at the Institute of International Economics at Civil Aviation University of China

Xingwu, Zheng, is the director of Institute of International Economics at Civil Aviation University of China. His research focus is on air transportation economics policy. At this position, he has managed and finished some research projects on the international air transportation market and policy for CAAC. And as an expert of CAAC he took part in the WTO's second review of Annex on Air Transport Services of GATS from 2005-2007. In recent years, he also joined several programs, sponsored by CAAC, for environmental issues from the point view of economics, especially the

programs on EU ETS and jet bio-fuel. Zheng holds a Ph. D in international economics from Nankai University.



Nancy N. Young

Vice President of Environmental Affairs
Air Transport Association of America (ATA)

Nancy N. Young is the Vice President of Environmental Affairs at the Air Transport Association of America (ATA). An environmental attorney with over twenty years of experience, Ms. Young directs ATA's environmental programs, represents the ATA 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 development and deployment of commercially viable, environmentally preferred alternative jet fuels, the Board of Directors of the International Aviation Womens Association, and the Advisory Board to the Partnership for AiR Transportation Noise and Emissions Reduction.

Ms. Young previously was a partner at the law firm of Beveridge & Diamond. She is a graduate of The College of William and Mary in Virginia and Harvard Law School.



Thilo Zelt

Business Development Agent, Platform for Sustainable Aviation Fuels, Leuphana
University Lüneburg

Thilo Zelt is an independent consultant, project developer and entrepreneur in the field of renewable energy and biofuels, with a focus on sustainable biofuel feedstock production. After his MSc in Economics and Management Science, he worked for several years as a management consultant for Roland Berger Strategy Consultants, with main projects on global greentech markets and in the German biodiesel industry. In 2008, he became a self-employed consultant and co-founder of a Jatropha project in Madagascar. Since 2009, he is President of the Jatropha Alliance. In 2010, he was one of the initiators of the "Platform for Sustainable Aviation Fuels" at Leuphana University, Lüneburg (Germany), a three year research project which is funded by the EU, where he is responsible for industry relations and the commercialization of results. At the same time, he acts as managing director of the university Spin-Off INOCAS GmbH (Innovative Oil and Carbon Solutions) in Lüneburg/Germany.