Scientific and medical evidence proposing that contaminated air needs to be isolated from cockpits and cabins is emerging from studies around the world.

Individual cases suggest that pilots, cabin crew and some passengers are at risk from extended exposure to contaminated air leading to the premature end of some crews flying careers and claims against airlines and manufacturers.

This important international conference mapping the business and regulatory solutions to cabin air contamination, is the first in the world to bring together the latest independent scientific and medical evidence on this issue.

In particular, this conference will consider international experiences, and hear presentations from the Royal Australian Air Force, regulators, trade unions, medical and scientific experts on the problems and potential solutions for improving air safety and cabin air quality.

Anticipating new legislation and international regulations and guidelines on aircraft, this essential two-day conference will provide excellent networking opportunities for aircraft manufacturers, leasing companies, Medical Directors, Senior Pilots, maintenance companies, aero industry regulators and academics approaching this emerging issue.

Keynote Speaker:
Paul Tyler CBE MP
Chair, All Party Organophosphate Parliamentary Group, UK

Speakers include:
Ann Azevedo
Chief Scientist & Technical Advisor for Aircraft Safety Analysis, Federal Aviation Authority (FAA)

Prof. Michael Bagshaw
Visiting Professor of Aviation Medicine, Kings College London, UK

Rev. John Woodley
Former Australian Senator and Chair of the Australian Senate "Report into Air Safety and Cabin Air Quality in the BAe146 Aircraft".

For further information and to register online visit:
www.neilstewartassociates.com/st120
Agenda [subject to change]

DAY ONE
09:15 Registration and Refreshments

SESSION ONE:
09:50 Opening Speech
Paul Tyler CBE MP, Chair, All Party Organophosphate Parliamentary Group, UK

10:05 Data Review of Instances of In-Cabin Fumes from Propulsion System Events
Ann Azevedo, Chief Scientist & Technical Advisor for Aircraft Safety Analysis, Federal Aviation Authority (FAA)

10:30 Hazardous Chemicals on Jet Aircraft
Dr. Chris Winder, Associate Professor in Chemical Safety and Applied Toxicology, University of New South Wales, Australia

10:55 Questions and Discussion

11:10 Refreshments

SESSION TWO:
11:40 Physiology of Symptoms and Signs
Prof. Michael Bagshaw, Visiting Professor of Aviation Medicine, Kings College London, UK

12:00 Illness Related to Cabin Air: A Survey of Symptoms and Treatment among Commercial Pilots and Cabin Crew
Dr. Andrew Harper, Occupational and Public Health Physician, Australia

12:25 Lung Injury Following Hydrocarbon Inhalation in Aircrew
Dr. Jonathan Burdon, Respiratory Physician, Former President of the Thoracic Society of Australia and New Zealand 2001 - 03

12:50 Questions and Discussion

13:05 Buffet Lunch

17:15 Questions and Discussion

17:30 END OF DAY ONE

DAY TWO
08:30 Registration and Refreshments

SESSION ONE:
09:00 Multi-system and Multi-organ Chronic Illnesses in the UK: ME-CFS, pesticide poisoning, MCS and Fibromyalgia
Professor Emeritus Malcolm Hooper PhD, B.Pharm.MRIC, CChem, University of Sunderland, and Chief Scientific Advisor to the UK Gulf War Veterans

09:20 Clinical Diagnosis of Chronic Fatigue-Pain-Cognitive Illness
Prof. Robert Haley M.D., Department of Internal Medicine, University of Texas Southwestern Medical Center, USA

09:45 Questions and Discussion

09:55 Development of a Standard for Aircraft Air Quality
Dr. Byron Jones, Principal Investigator, FAA Center of Excellence for Aircraft Cabin Environment Research (ACER), Kansas State University, USA

10:15 The Politics of Air Safety
Rev. John Woodley, Former Australian Senator and Chair of the Australian Senate “Report into Air Safety and Cabin Air Quality in the BAE146 Aircraft”.

10:40 Questions and Discussion

10:50 The United States Jury System: A Much Maligned but Effective Regulator of Corporate Misconduct – The Dangerous Cockpit, a Case In Point
Stuart Calwell, founder and owner of The Calwell Practice, PLLC, USA specializing in the adverse effects of toxic substances on the environment and man

11:05 Refreshments
SESSION TWO:

11:35 Neurotoxicity from Exposures to Long Term Low Level Organophosphorus Esters
Dr. Goran Jamal and Dr. Peter Julu, Division of Neurosciences, Imperial College of Science, Technology and Medicine.
Dr Sarah Mackenzie Ross, Consultant Clinical Neuropsychologist, University of London and Sub-Department of Clinical Health Psychology, University College London (UCL), UK

12:00 Cabin Air Filtration - Present and Future
Karen Bull, Senior Business Development Manager, Pall Aerospace

12:25 Aircraft Air Quality Incidents, Symptoms, Exposures and Possible Solutions
Prof. Chris van Netten, Professor of Health Care and Epidemiology, University of British Columbia, Canada

12:50 Questions and Discussion

13:05 Buffet Lunch

SESSION THREE:

14:05 Adaptation of Near Real Time Biosensor Systems for Monitoring of Cabin Air Quality
Prof. Clement Furlong, Research Professor of Genetics & Medicine, University of Washington, USA

14:30 Activated Carbon Fibers Applied to Air Treatment
Pascal Contini, Air Quality Program, Sofrance - Snecma Group

14:55 ITF-Endorsed Actions to address Contaminated Aircraft Air
Ingo Marowsky, Aviation Secretary, ITF Aviation Section, International Transport Workers' Federation (ITF)

15:15 OHRC Research Project
Dr. Laurel Kincl, Project Manager, Occupational Health Research Consortium on Aviation (OHRC)

15:35 Questions and Discussion

15:50 Closing Speech
Jim McAuslan, General Secretary, British Air Line Pilots Association (BALPA)

16:05 CLOSE OF CONFERENCE

Purpose of the Conference

This conference will
- Map out the scientific evidence for cabin air contamination from both past and present research and inquiries.
- Hear about the medical effects being seen in both crew and passengers.
- Outline proposed new cabin air quality standards on commercial jet aircraft.
- Consider the various different methods that could be effectively employed to detect the presence of contaminants, including organophosphates and carbon monoxide.
- Disseminate the latest medical and scientific theories on the health aspects of exposure to contaminated bleed air.
- Examine the latest and various different filtration technologies available to remove bleed air contaminants and improve working conditions in the cabin and cockpit environments.
- Provide an opportunity for networking and sharing good practice to facilitate better inter-agency working

Wednesday 20th and Thursday 21st April 2005
Imperial College London, Exhibition Road, London SW7, UK

Who Should Attend?
Aviation Regulators and Authorities
International Civil Aviation Bodies
Aircraft Makers
Engine Manufacturers
Accident Investigation Boards
Aviation Medical Doctors
Airliner Leasing Companies
National and International Airline Representatives
Travel Companies
Airports
Aviation Lubricant Manufacturers
Hydraulic Fluid Manufacturers
Aviation Fuel Companies
Health and Safety Statutory Bodies
Maintenance Companies
Maintenance Directors
Operations Directors
Services Companies
Cleaning Companies
Pilot and Human Resources Directors
Chief Pilots
Pilot Organisations
NHS and Private General Practitioners
Medical Directors and Professionals
Banks
Aviation Industry Finance Companies and Analysts
Insurers
Aviation Industry Contractors
Government Health Departments
Department of Trade and Industry
Department for Transport
Government Agencies, Departments and Regulatory Bodies
Research Companies
Pilot and Aircrew Associations
Trade Unions
Academics
Policy Officers
European Agencies and Bodies such as AECMA, EASA

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Conference papers are available after the conference for £135. This useful reference will include available speakers' papers, speakers' biographies and any additional inserts from external companies.

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Contaminated Air Protection: Air Safety and Cabin Air Quality  
Wednesday 20th and Thursday 21st April 2005. Imperial College London, Exhibition Road, London SW7, UK  

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