



McGill

**International Civil Aviation Organization
&
McGill University Institute of Air & Space Law**

Present

**AIR NAVIGATION:
FLYING THROUGH CONGESTED SKIES
A Worldwide Symposium**

on the
Finance, Technology, Regulation and Policy
of Air Navigation

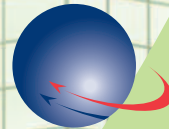
September 27-29, 2006

ICAO Headquarters
999 University Street
Montreal, Canada

ASSOCIATES



AIRPORTS COUNCIL INTERNATIONAL



canso
civil air navigation services organisation

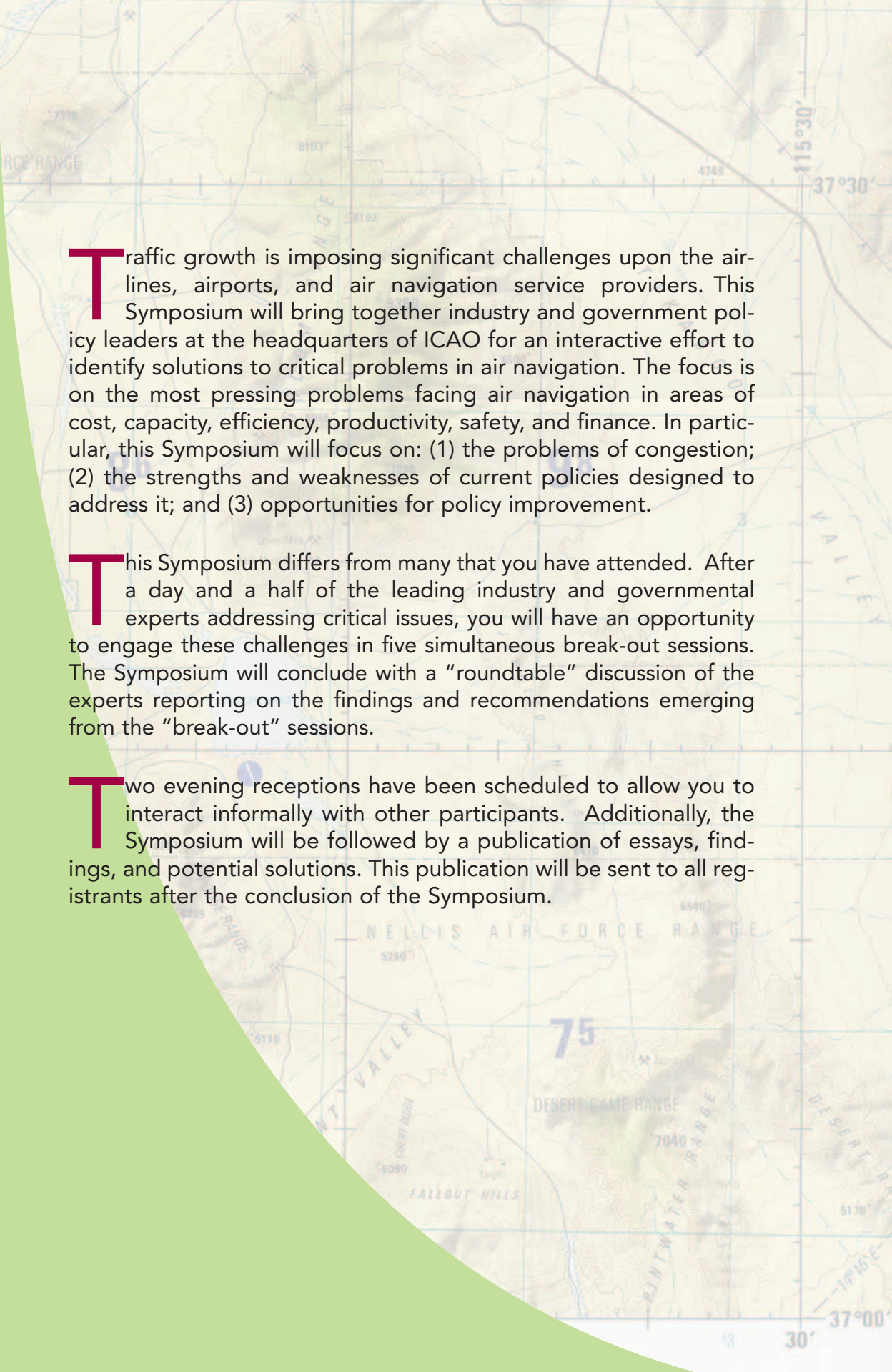
THE CIVIL AIR NAVIGATION
SERVICES ORGANIZATION



THE INTERNATIONAL AIR TRANSPORT ASSOCIATION



THE WORLD BANK



Traffic growth is imposing significant challenges upon the airlines, airports, and air navigation service providers. This Symposium will bring together industry and government policy leaders at the headquarters of ICAO for an interactive effort to identify solutions to critical problems in air navigation. The focus is on the most pressing problems facing air navigation in areas of cost, capacity, efficiency, productivity, safety, and finance. In particular, this Symposium will focus on: (1) the problems of congestion; (2) the strengths and weaknesses of current policies designed to address it; and (3) opportunities for policy improvement.

This Symposium differs from many that you have attended. After a day and a half of the leading industry and governmental experts addressing critical issues, you will have an opportunity to engage these challenges in five simultaneous break-out sessions. The Symposium will conclude with a “roundtable” discussion of the experts reporting on the findings and recommendations emerging from the “break-out” sessions.

Two evening receptions have been scheduled to allow you to interact informally with other participants. Additionally, the Symposium will be followed by a publication of essays, findings, and potential solutions. This publication will be sent to all registrants after the conclusion of the Symposium.



PROGRAMME

WEDNESDAY SEPTEMBER 27

6:00 – 8:00 p.m. REGISTRATION

6:30 – 8:00 p.m.

WELCOME RECEPTION – ICAO Delegates' Lounge

SPONSORED BY



THURSDAY SEPTEMBER 28

7:30 – 8:30 a.m. REGISTRATION

8:30 – 8:45 a.m.

INTRODUCTION AND WELCOMING REMARKS

Taïeb Chérif, Secretary General, International Civil Aviation Organization

Paul Stephen Dempsey, Director, McGill University Institute of Air and Space Law

8:45 – 9:15 a.m.

CONGESTION

SETTING THE STAGE: THE CHALLENGE OF OPERATIONAL SAFETY, EFFICIENCY & ECONOMY IN CONGESTED AIRSPACE

Chair:

Carol J. Carmody, Director, Transportation Initiatives at the National Academy of Public Administration

Speakers:

Victor M. Aguado, Director General, Eurocontrol

Russell Chew, Chief Operating Officer, Air Traffic Organization, U.S. Federal Aviation Administration

- What is the projected growth of air traffic?
- Where are the most congested corridors?
- What are today's constraints on growth?
- How do we maintain and improve safety?
- How do we reduce congestion, cost, fuel burn and delay?

9:15 – 10:30 a.m.

TECHNOLOGY

WHAT ARE THE OPPORTUNITIES OF NEW TECHNOLOGY?

Chair:

Robert A. Pearce, Acting Director, NASA, Joint Planning and Development Office

Speakers:

Michael S. Lewis, Director, Business Development, Advanced Air Traffic Management, Boeing

Peter Potocki de Montaulk, Director, Air Traffic Systems, Airbus

David Russell, Vice President, Airline Operations and AIRCOM Services, SITA Inc.

- How can technology improve operational efficiency and expand capacity while maintaining high levels of safety?
- How do we meet the challenge with our current satellite and ground-based technology?
- What shall be the role of GPS and other space based navigation systems?
- What are the benefits of satellite vs. ground-based communications?
- What potential safety hazards will a growing number of space launches pose for air navigation?
- How can ANS help reduce fuel burn?
- Do we need a legal framework governing CNS/ATM systems including GNSS?

10:30 – 10:45 a.m. REFRESHMENT BREAK

SPONSORED BY **KREINDLER & KREINDLER LLP**



10:45 a.m. – 12:15 p.m.

EFFICIENCY, SAFETY & SERVICE PROVISION

Chair:

Siew Huay Tan, Legal Director, Civil Aviation Authority of Singapore

Speakers:

Glen J.D. McDougall, Principal Consultant, MBS Ottawa Inc.

Kenneth M. Mead, Special Counsel, Baker Botts LL.P.

Wrenelle Stander, Chief Executive Officer, Air Transport and Navigation Services Company, South Africa

Capt. Murray Warfield, General Manager, Regulatory and Industry Affairs, QANTAS Airways Ltd.

- What is the ANSPs role in the air transportation value chain?
- What is the room for a "business approach" of ANS and how to implement it?
- How do we evolve towards a customer oriented approach of ANS?
- How do we achieve ANSP interoperability?
- Shall there be competition, cooperation or consolidation of air service providers?
- What is the current status of air space management?
- How much air space separation is needed?
- How can private, military and commercial flight coexist safely in the same airspace?
- How can congestion relief reduce environmental degradation?
- Case studies: Europe, Asia, Africa, USA
- Who should determine the performance targets for ANSPs?

12:15 – 1:45 p.m.

LUNCH / KEYNOTE ADDRESS - ICAO Delegates' Lounge

Giovanni Bisignani, Director General and Chief Executive Officer, International Air Transport Association

SPONSORED BY **BOMBARDIER**



1:30 – 3:00 p.m.

REGULATION AND AIR SPACE MANAGEMENT: PANEL DISCUSSION

Chair:

Kenneth P. Quinn, Pillsbury Winthrop Shaw Pittman; General Counsel, Flight Safety Foundation

Speakers:

Ruwantissa Abeyratne, Air Transport Bureau, ICAO

Ben van Houtte, Head of the Unit, Air Traffic Management & Airports, European Commission

Richard Janda, Associate Professor, McGill University Institute of Air & Space Law

Guenther Matschnigg, Senior Vice President, Safety Operations & Infrastructure, IATA

Ashley Smout, Chief Executive Officer, Airways New Zealand

- Should scarce resources be efficiently allocated through congestion-based pricing, slot auctions, or average aircraft size restrictions?
- What are the pro's and con's of the regulator being separated from the operator?
- What should be the appropriate funding responsibilities among commercial, business, and general aviation?
- What are the regulatory impediments to the implementation of a seamless global ATM concept?
- How to address political interference in ANS?
- Is consolidation of regulators desirable/necessary?
- Are regulators fit and equipped to address the challenges of future safety oversight?
- Do ICAO, IATA, FAA, and other safety audits adequately address safety issues, particularly for the controller workforce?
- How does the industry perceive the regulatory framework and the regulators?
- How are conflicts to be resolved between state sovereignty over airspace vis-à-vis cross-border air navigation services?

3:00 – 3:15 p.m. REFRESHMENT BREAK

SPONSORED BY **AIR CANADA** 



3:15 – 4:30 p.m.

LIABILITY

WHEN THINGS GO WRONG: ISSUES OF SAFETY, LIABILITY AND INSURANCE

Chair:

Francis Schubert, Corporate Secretary, Skyguide, Swiss Air Navigation Services Ltd.

Speakers:

Roderick van Dam, Head, Legal Services, Eurocontrol

Gerard Forlin, Barrister, Chambers of Anthony Scrivener, Q.C.

James P. Kreindler, Partner, Kreindler & Kreindler

Roderick D. Margo, Condon Forsyth

- What is the potential liability of ANS managers and providers?
- What is the government's potential liability?
- What is the potential liability for manufacturers?
- Is the insurance market adequate to the task?

5:30 -7:30 p.m.

RECEPTION - ICAO Delegates' Lounge

SPONSORED BY 

FRIDAY SEPTEMBER 29

“BREAK-OUT” SESSIONS AND “ROUNDTABLE” DISCUSSION OF THE PROBLEMS AND POTENTIAL SOLUTIONS

8:30 – 10:00 a.m.

FINANCE

**FINANCING AIR NAVIGATION INFRASTRUCTURE AND OPERATIONS:
HOW WILL WE PAY FOR, AND PROVIDE IT, AT LOWEST COST?**

Chair:

Charles A. Hunnicutt, Partner, Troutman Sanders LL.P.

Speakers:

Steve James, General Manager of European Development, NATS

Östen Magnusson, Air Transport Bureau, ICAO

Robin Padgett, Vice President, Procurement, Emirates Airlines

Robert Poole, Director of Transportation, Reason Foundation

Charles Schlumberger, Principal Air Transport Specialist, The World Bank

John Strong, Professor, School of Business Administration, The College of William & Mary

- How is today's aerospace system financed?
- How will international communications, navigation, surveillance and air traffic management systems be financed and managed?
- What role can user fees play, and how should they be set?
- What are the alternatives to a cost recovery system?
- How can developing countries finance essential infrastructure?
- What are the alternative governance models, and how have they performed?

10:00 – 10:15 a.m.

REFRESHMENT BREAK

SPONSORED BY



AND



10:15 a.m. – 12:00 p.m.

“BREAK-OUT” SESSIONS

OPPORTUNITIES FOR POLICY IMPROVEMENT

FOCUS ON THE IDENTIFIED PROBLEMS, POSSIBLE SOLUTIONS, AND ADVANTAGES AND DISADVANTAGES

SESSION A – CONGESTION, EFFICIENCY & SAFETY

Chair: Sid Koslow, Vice President and Chief Technology Officer, NavCanada

SESSION B – TECHNOLOGY

Chair: Robert A. Pearce, Acting Director, NASA, Joint Planning and Development Office

SESSION C – FINANCE & ECONOMIC PERFORMANCE

Chair: Charles A. Hunnicutt, Partner, Troutman Sanders LL.P.

SESSION D – REGULATION

Chair: Kenneth P. Quinn, Pillsbury Winthrop Shaw Pittman; General Counsel, Flight Safety Foundation

SESSION E – LIABILITY AND INSURANCE

Chair: Francis Schubert, Corporate Secretary, Skyguide, Swiss Air Navigation Services Ltd.



12:00 – 1:30 p.m.

LUNCH / KEYNOTE ADDRESS – ICAO Delegates’ Lounge
Alexander ter Kuile, Secretary General, Civil Air Navigation Services Organization

SPONSORED BY 

1:30 – 3:00p.m.

**“ROUNDTABLE” DISCUSSION OF THE EXPERTS
OPPORTUNITIES FOR POLICY IMPROVEMENT**

EACH BREAK-OUT SESSION CHAIR WILL IDENTIFY THE MOST SALIENT PROBLEM HIS GROUP DISCUSSED, POTENTIAL SOLUTIONS, AND THEIR ADVANTAGES AND DISADVANTAGES

Moderator: Paul Stephen Dempsey, Director, McGill University Institute of Air & Space Law

3:00 – 3:15 p.m. REFRESHMENT BREAK

SPONSORED BY  AND 
swiss air navigation services ltd

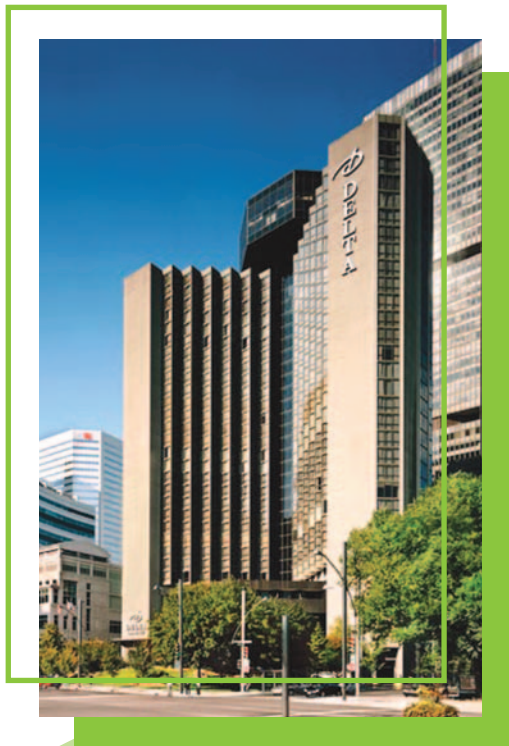
3:15 - 4:15 pm

**“ROUNDTABLE” DISCUSSION OF THE EXPERTS
(Continued)**

4:15 - 4:30 pm

CLOSING REMARKS

Michael Milde, Emeritus Director, McGill University Institute of Air & Space Law



SYMPOSIUM INFORMATION

1. Venue: The Symposium will be held at:
ICAO Headquarters, 999 University Street, Montreal, Quebec, Canada H3C 5H7

2. Hotel Reservations: To make your hotel reservations, please contact the **DELTA CENTRE-VILLE Hotel** at 777 University, Montréal, Québec, Canada H3C 3Z7. **Toll Free number: 1-800-268-1133 or direct line: (514) 879-1370.** Hotel **fax line: (514) 879-8589.** This hotel is part of the prestigious Fairmont Hotel chain and is located directly across the street from the Symposium activities at ICAO.

We are pleased to confirm the following **special group rates in Canadian dollars**, starting at **\$149.00** [Note: applicable taxes are extra; but, non-residents of Canada are eligible for government refund on guestroom taxes]:

	Single Rate	Double Rate
Delta & Premiere rooms with High-Speed Internet	\$149.00	\$149.00
Signature Club guest rooms	\$179.00	\$179.00

We have reserved a block of rooms and the **reservation deadline is noon, August 31, 2006.** After this date, the Hotel cannot guarantee rooms or availability and the Hotel will assign rooms on a space available basis. Rooms shall be available for check-in no later than 3:00 p.m. with a check-out time of 12:00 noon.

In order to receive the preferred contracted rates, telephone and fax requests must identify their affiliation with our group.
Please refer to the "ICAO/McGill ANS Symposium" when making reservations.

3. Passport/Visa Information: If you are visiting Canada a valid passport is generally required, except for U.S. residents [who are exempt, provided they have valid proof of U.S. permanent residency]. It is the responsibility of the visitor, before entering Canada, to ensure that he or she has the necessary documents, including those for entry into another country or re-entry into his or her own country. Please contact the nearest Embassy or Consulate if you need to obtain a visa to enter Canada

4. Cancellation Policy: Registrants who are unable to attend the symposium will receive a refund [less 30% of the registration fee for administrative charges] on written cancellations received prior to August 31, 2006. Regrettably, NO refunds will be granted thereafter. However, a substitute registrant may be designated in lieu of the original registrant [or symposium materials will be sent in lieu of a refund after the symposium]. Please advise us of the substitute name in advance.
Cancellations must be faxed to the attention of Susan Joseph at 514-954-6744. The Symposium reserves the right to cancel any programmes and assumes no responsibility for personal expenses.

5. For latest programme information: Please visit the ICAO website at www.icao.int – click on "ATB McGill Symposium"
Alternatively, visit the McGill Website at www.mcgill.ca/iasl/events

6. Marketing Contacts:

- *Sponsorship of the Symposium:* Dr. John Saba, Symposium Manager john.saba@mcgill.ca or 514-398-5095
- *Advertisement in Publication & Exhibition Space:* Yves Allard fcmcommunications@videotron.ca or 450-677-3535




7. Questions: Please contact at ICAO, Susan Joseph at 514-954-8219 ext. 6278, or e-mail sjoseph@icao.int. At McGill University, contact Maria D'Amico at 514-398-5095, or e-mail maria.damico@mcgill.ca

REGISTRATION INFORMATION

PRE-REGISTRATION is recommended to avoid delays on-site.

Note: To register for all programmes and events described in this brochure, please submit your completed registration form and payment to the addresses indicated above. Confirmation will be sent to you within 72 hours of registration receipt. **In order to be included in the list of programme attendees, you must register by August 31, 2006.** No registrations will be processed without payment. You will still need to present your Passport (and, as necessary, Student ID) in order to receive your entrance badge when on-site.

THREE WAYS TO PRE-REGISTER!

-  **Internet:** Register online at: www.icao.int/icao/en/atb/AtbMcGill_meetings/2006/RegistrationFees or www.mcgill.ca/iasl/events
-  **Fax to:** ICAO/McGill ANS Symposium, c/o Susan Joseph
- Fax number: (514) 954-6744 Fax completed registration form with credit card payment information.
-  **Mail:** Send completed registration form with payment to:
ICAO/McGill ANS Symposium
Att: Susan Joseph
999 University Street
Montreal, QC
Canada H3C 5H7

On-Site Registration is available for those persons who miss the registration deadline. **If you plan to register at the door, please call Susan Joseph at 514-954-8219 ext. 6278 at least 72 hours before the symposium to confirm that space is still available.** On-site registrants must pay the registration fees by cash, check, Visa, MasterCard, or American Express. No registrations will be accepted without payment.

**ARRIVE EARLY TO CLEAR SECURITY
& RECEIVE YOUR ENTRANCE ID BADGE
AT THE TIME OF REGISTRATION!**

PAYMENT INFORMATION

Registration Fees

- For registration fees, please see registration form attached. All fees are expressed in U.S. dollars (except hotel rates are quoted in Canadian dollars).
- Registration Fees include admission to the three-day programme, refreshment breaks, luncheons, and cocktail receptions listed.

Method of Payment

- **Credit Card** (Visa, MasterCard or American Express); **Payment by American Express can only be done via fax, email or telephone and not on-line.** Please note that while the fee is quoted in U.S. dollars, it will be charged in Canadian dollars at the UN exchange rate.
- **Check or money order** In U.S. funds payable to " International Civil Aviation Organization".
- **Cash** (on site only)
- **Bank transfer payment** The registration fee is payable to ICAO, and you should indicate clearly to your bank that the transfer is made to "ICAO/McGill ANS Symposium". **An additional charge of U.S.\$10.00 will be added to cover charges by ICAO's bank.** All bank charges must be prepaid and the total in U.S. dollars paid into the following account. Please note that processing may require up to two weeks. We would be grateful if you would let us know when you transacted the bank transfer

Beneficiary Bank: Royal Bank of Canada 1140 St. Catherine Street West Montréal, Québec Canada H3B 1H7	Transit code: 05101 ABA code (Europe): 02 100021 Swift code: ROYCCAT2 Bank code: 003 Checking account: 404 6 843	Currency of account: US\$ Please state "ICAO/McGill ANS Symposium"
---	--	---

SYMPOSIUM REGISTRATION FORM

 Last Name First Name Initial(s)

 Title

 Organization / Firm

 Address

 City State/Prov. Country Postal / Zip Code

 Tel: Fax: Email:

 Signature: Date:

Registration Fee includes admission to the three-day programme, refreshment breaks, luncheons, and cocktail receptions listed. All amount are listed in U.S. dollars.

		Early Bird		Regular
	<input checked="" type="checkbox"/>	Postmarked on or before 31 August 2006	<input checked="" type="checkbox"/>	Postmarked on or after 1 September 2006
General attendee	<input type="checkbox"/>	\$595.00	<input type="checkbox"/>	\$695.00
Associate/Sponsor	<input type="checkbox"/>	\$495.00	<input type="checkbox"/>	\$695.00
Government	<input type="checkbox"/>	\$375.00	<input type="checkbox"/>	\$450.00
Academic	<input type="checkbox"/>	\$225.00	<input type="checkbox"/>	\$275.00
Speaker/Moderator	<input type="checkbox"/>	\$100.00	<input type="checkbox"/>	\$125.00
Student	<input type="checkbox"/>	\$ 85.00	<input type="checkbox"/>	\$100.00

___ I will attend the Thursday Luncheon ___ I will attend the Wednesday Reception
 ___ I will attend the Friday Luncheon ___ I will attend the Thursday Reception

Method of Payment: ___ Check or money order in US funds payable to International Civil Aviation Organization; or ___ MasterCard ___ Visa ___ American Express; or ___ Cash (on-site only)

Card No: _____

Expiry Date: _____ Name of card holder: _____

Date: _____ Signature of card holder: _____

BY MAIL TO:
 ICAO/McGill ANS Symposium
 Att: Susan Joseph
 999 University Street
 Montreal, QC
 Canada H3C 5H7

BY INTERNET AT:
 Register online at:
www.icao.int/icao/en/atb/AtbMcGillmeetings/2006/RegistrationFees
 or
www.mcgill.ca/iasl/events

BY FAX:
 Fax completed registration form with credit card payment to:
 ICAO/McGill ANS Symposium
 c/o Susan Joseph
 Fax #: (514) 954-6744



AIR NAVIGATION: FLYING THROUGH CONGESTED SKIES
 27-29 September, 2006
HOTEL RESERVATION FORM

The Conference has negotiated a special discounted group rates of \$149/179.00 (Canadian) at the **Delta Centre-Ville Hotel** (*across from the ICAO Headquarters*). To take advantage of these rates and to ensure your accommodation, please **complete this reservation form with full details** and **FAX** it directly to the hotel at (514) 879-8589.

1. YOUR DETAILS

Please complete in block capitals using black ink

Family name: _____ Given name: _____
 Job title: _____
 Organization: _____
 Address: _____

 Tel (direct line): _____ Fax (for confirmation): _____

2. YOUR REQUIREMENT

Please choose room type

Delta Centre-Ville Hotel
 777 University, Montréal, Québec, Canada – H3C 3Z7 Telephone (514) 879-1370
Please Fax to: (514) 879-8589 prior to August 31, 2006
 Single occupancy at 149.00CA\$ per night Double occupancy 149.00CA\$ per night
 Signature Club Room at 179.00CA\$ per night* Non smoker
 *deluxe continental breakfast included & served in the Club Lounge on 30th floor
 Arrival date: _____ Departure date: _____ Number of nights: _____

3. TO GUARANTEE YOUR ROOM

All reservations must be guaranteed with a major credit card

Card Company: VISA MasterCard American Express
 Card number: _____ Expiry date: _____
 Signature of cardholder: _____
To cancel a guaranteed reservation you must contact the hotel and obtain a cancellation number, before 18:00 otherwise one room/night will be charged.

4. CONFIRMATION

To be completed by the hotel

This section will be completed by the hotel who will then fax the whole form back to you. We are pleased to confirm the above booking.
 Reservation number: _____ Date of confirmation: _____

THANK YOU TO OUR SPONSORS:



BOMBARDIER



KREINDLER & KREINDLER LLP



**Michael Milde
Fund for
Air Law**



skyguide

swiss air navigation services ltd

