



# Atmospheric Chemistry: Challenging the Future

HALIFAX, CANADA · JULY 11-16, 2010



**Second Circular**



## 12th Symposium of the International Commission on Atmospheric Chemistry and Global Pollution (CACGP)

### 11th Science Conference of the International Global Atmospheric Chemistry (IGAC) Project

The organizers of the 12th Symposium of the International Commission on Atmospheric Chemistry and Global Pollution (CACGP) and the 11th Science Conference of the International Global Atmospheric Chemistry (IGAC) Project warmly invite you to come to Halifax this summer to participate in this exciting conference: "Atmospheric Chemistry: Challenging the Future."

The conference will bring together scientists from all over the world to discuss a wide range of current issues in chemistry and pollution that will greatly affect our planet in the future. Through keynote talks, presentations, posters and ongoing discussions, we hope that you will be informed, stimulated and encouraged as we participate in this most important activity.

### Science Program

All oral presentations will be held at the Rebecca Cohn Auditorium (Building Code D400) on the grounds of Dalhousie University. All posters will be presented at the Student Union Building (Building Code E100). Maps of the Studley Campus of Dalhousie University can be downloaded from <http://www.dal.ca/visit/map/01studleymap.pdf> or you can use the interactive map at <http://fm.dal.ca/campusmap>.

### Conference Keynote Speakers

**Professor John Seinfeld** (Department of Chemical Engineering, California Institute of Technology): Chemistry & Climate

**Professor Doug Dockery** (Harvard School of Public Health, Harvard University): Air Pollution and Health

### Scientific Program Committee

Co-Chair: Randall Martin (LOC, Canada)

Co-Chair: Frank Dentener (CACGP, Italy)

Members: John Burrows (CACGP, Germany)

Jim Drummond (LOC & CACGP & IGAC, Canada)

Graham Feingold (IGAC, USA)

Maria Kanakidou (CACGP & IGAC, Greece)

Kimitaka Kawamura (CACGP, Japan)

Kobus Pienaar (CACGP & IGAC, South Africa)

Roland von Glasow (SOLAS, UK)

Tong Zhu (CACGP & IGAC, China)



## Sessions

Submissions are invited to cover the entire breadth of IGAC and ICACGP activities. As has been our past practice, there will be plenary sessions, a single session of oral presentations through the week and an extensive poster display. There will be awards for the best presentations and the best posters in a number of categories including special categories for students and young scientists.

### ***Trace gas and aerosol source strengths: Improving their accuracy***

**Organizers:** *Tami Bond, Laura Gallardo, Dylan Jones*

- emission inventories and emission modeling for gases and aerosols
- inverse modeling
- characterization of natural sources

*Invited Speakers: Mauricio Osses (keynote), Paul Palmer*

### ***Pollutant transformation and loss: Enhancing prognostic capability***

**Organizers:** *Maria Kanakidou, Kimitaka Kawamura, Roland von Glasow*

- daytime/nighttime chemistry
- halogen chemistry
- organics
- cloud processing and deposition
- long-range transport

*Invited Speakers: Barbara Turpin (keynote), Steven Brown*

### ***Observing atmospheric composition: Implications for the future***

**Organizers:** *John Burrows, David Edwards, Young Kim, Colette Heald*

- remote sensing, aircraft, surface observations, trends, measurement campaigns, interpretation with models
- megacities: trends and regional impact
- laboratory measurements of relevant kinetic and spectroscopic parameters

*Invited Speakers: Cathy Clerbaux (keynote), Spyros Pandis*

### ***Chemistry at the interfaces: Discovering the unknown***

**Organizers:** *Beth Holland, Thanos Nenes, Manmohan Sarin*

- ice/snow/aerosols/clouds/precipitation
- polar chemistry
- cycling of the atmospheric constituents with the land/ocean/cryosphere/biosphere
- multiphase chemistry

### ***Chemistry-climate interactions: Perspectives on the future***

**Organizers:** *Graham Feingold, Melita Keywood, Mark Lawrence*

- aerosol-climate effects
- climate and air quality
- mitigation options; opportunities and risks
- international climate assessment programs

*Invited Speakers: Phil Rasch (keynote), Martin Cope*

*If you cannot determine where your submission fits, please consult the FAQ on our website.*

## Young Scientist Program

Young scientists are especially encouraged to attend the conference. There will be special events and activities including a career centre, meetings with senior scientists and, of course, opportunities for networking.

## Things To Do

Halifax is a vibrant port city with numerous activities to satisfy any interest. You can arrange harbour cruises or whale-watching tours, and explore any of the many parks or museums within walking distance of the conference. Pre- or post-conference, Halifax is the starting point for exploration for anywhere in Atlantic Canada – you can take a bus charter to Peggy's Cove, see the Highest Tides in the World or check out the Annapolis Tidal Power Generating Station, explore the world-famous Cabot Trail or cross to Prince Edward Island and visit Anne of Green Gables.

A travel desk will be set up with information or you can visit <http://www.destinationhalifax.com> or <http://www.visitors.halifax.ca> for a wide variety of sightseeing ideas and tips.

## Planned Activities

Banquet at the Cunard Centre, right next to Halifax's famous Pier 21, on July 15.

## Hotel Information

Space has been reserved at four hotels within walking distance of the conference venue. As well, space has been reserved at the Dalhousie Residences. More information about making your hotel booking can be found on the conference website.



## Getting Here

Halifax is serviced by direct flights from across Canada and the U.S. Eastern Seaboard to Stanfield International Airport (<http://www.flyhalifax.ca> or <http://www.hiaa.ca>). Visas are NOT required for citizens of the E.U., U.S. (including green card holders), Japan, Australia and New Zealand, among others. Visas ARE required for some nationalities. See <http://www.cic.gc.ca/english/visit/visas.asp> for more information and to download a visa application.

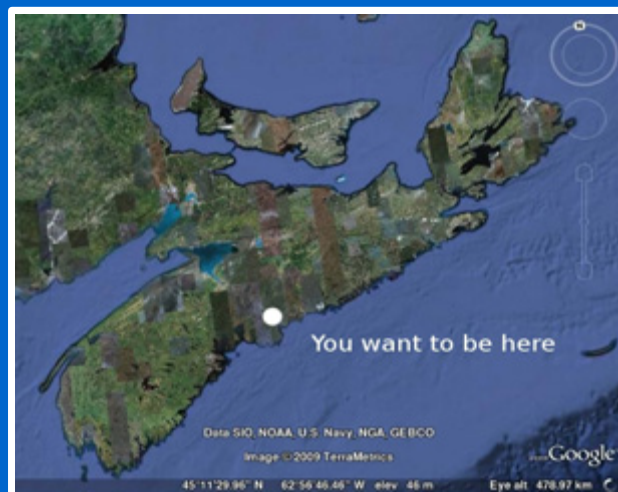
From the airport, you can take the Airporter (<http://www.airporter.biz>) which services most downtown hotels for only CA\$21 one way. Alternatively, you can take a taxi or limousine from the airport for CA\$53 (2009 rates). Most of Halifax is accessible on foot or by public transit (<http://www.halifax.ca/metrotransit/>) and renting a car is not recommended.

## Environmental Footprint

It is the intention of the organizers to minimize the environmental footprint of this conference. A number of specific initiatives will be implemented by the organizers to achieve this, including limiting the use of paper and other materials – e.g., this circular will only be delivered electronically. Attendees are invited to join in this effort by minimizing their travel footprint and specifically consider offsetting their travel to the conference.



All photos courtesy L.M. LeBlanc



## Important Dates

Deadline for abstract submissions: **15 March 2010**

Early bird registration deadline: **31 March 2010**

## Registration Fees

Full - until 31 March 2010	CA\$450
Full - from 1 April 2010	CA\$550
Student - until 31 March 2010	CA\$300
Student - from 1 April 2010	CA\$400
Additional tickets to Icebreaker and Banquet will be available – see webpage	

Registration Fees include: Icebreaker, Banquet, Lunches and Coffee Breaks during the conference.