



SCIENTIFIC PROGRAMS AND ACTIVITIES

August 10, 2011

September 4-7, 2007 DATA ASSIMILATION WORKSHOP to be held at the Fields Institute



Organizing Committee:
**Saroja Polavarapu and Theodore
Shepherd**
Physics, University of Toronto



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Canada

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Mailing List : To receive updates on mathematical activities at Fields please subscribe to our mailing list at www.fields.utoronto.ca/maillist

The goal of this workshop is to motivate and better understand data assimilation through the science of the middle atmosphere. Data assimilation requires a knowledge of measurement and model errors which, in turn, require knowledge of the true underlying system- the middle atmosphere. Therefore, advancement of assimilation techniques requires interaction of assimilators with dynamicists, chemists and users of assimilation products. Thus, this workshop aims to bring these various groups together.

Scientific Program

The goals of SPARC workshops are:

- 1) to gather experts and summarize the state of the art in a particular area,
- 2) to identify outstanding issues,
- 3) to organize activities under the SPARC umbrella to address outstanding issues,
- 4) to report on progress in these activities to the SPARC Scientific Steering Group (SSG),
- 5) to provide advice or recommendations to the SPARC SSG, if necessary.

In order to achieve these goals, it is necessary and important to schedule discussions during the program. It is hoped that all participants will not only attend but actively participate in these discussions. Additionally, all oral presentations should allow for 5-10 minutes of questions and discussion. Posters will be shown during the Workshop. There will be a number of long

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coffee breaks and lunches to ensure sufficient time to visit posters and talk to the authors.

Experts will be invited to speak on issues of assimilated products and help focus discussions in these areas:

- International Polar Year (IPY): **Gloria Manney**
- Stratosphere-Troposphere coupling: **Mark Baldwin, Adam Scaife**
- the Mesosphere: **Charles McLandress**

Housing and Hotels

We have reserved a limited number of rooms at the following hotel:

[Holiday Inn Toronto Midtown](#) (10-15 minutes walk from the Institute)
 280 Bloor Street West, Toronto, ON, M5S 1V8
 Tel: (416) 968-0010
 Fax: (416) 968-7765
 Toll Free: 1-800-465-4329
 E-mail: cn312res@whg.com

Booking Procedure: Participants to book and pay own charges. Rooms on block will be held until **August 3, 2007**. Please use the [ACCOMMODATION RESERVATION REQUEST FORM](#) to book your accommodation **before August 3**.

Reservation requested beyond August 3rd will be subject to availability.
 Credit cards accepted: American Express, MasterCard, Visa, Diner's Club, and Discover® Card- Valid ID required
 Single : \$124.99 Double : \$134.99

Other housing resources include the [Fields housing resource page](#).

Financial Support

A small amount of funds are available to cover travel expenses for students, post-docs or researchers from developing nations. To request financial assistance, please contact the [SPARC office](#). The deadline for applying for financial support was June 1, 2007.

Participant List

Fullname	University/Affiliation
Auroux, Didier	University of Toulouse
Bacak, Asan	University of Waterloo
Baier, Frank	German Aerospace Center
Baldwin, Mark	Northwest Research Associates
Batchelor, Rebecca	University of Toronto
Beagley, Stephen	York University /MSc Downsview

Benson, Craig	UMBC
Chen, Zeyu	Chinese Academy of Sciences
Cho, Young-Min	York University
Chshyolkova, Tatyana	University of Saskatchewan
Collins, Richard	University of Alaska Fairbanks
Conway, Stephanie	York University
de Grandpre, Jean	Environment Canada
Errico, Ronald	UMBC
Farahani, Elli	University of Toronto
Fletcher, Christopher	University of Toronto
Fraser, Annemarie	University of Toronto
Hakami, Amir	Carleton University
Hardiman, Steven	University of Toronto
Harvey, V. Lynn	University of Colorado
Hegglin, Michaela	University of Toronto
Hoppel, Karl	Naval Research Laboratory
Huang, Ho-Chun	NOAA/NWS/NCEP/EMC
Iudin, Margarita	York University
Jin, Jianjun	York University
Keil, Mike	Met Office
Keller, Martin	University of Hamburg
Kerzenmacher, Tobias	University of Toronto
Körnich, Heiner	University of Stockholm
Li, Chong-Yin	Chinese Academy of Sciences
Lieberman, Ruth	Northwest Research Associates, Inc.
Lu, Sarah	NOAA NCEP
Manney, Gloria	Jet Propulsion Laboratory & NM Tech University
McFarlane, Norman	SPARC IPO
McLandress, Charles	University of Toronto
Menard, Richard	Environment Canada
Neef, Lisa	KNMI
Nezlin, Yulia	University of Toronto
Ngan, Keith	McGill University
Parrington, Mark	University of Toronto
Pendlebury, Diane	University of Toronto
Polavarapu, Saroja	Environment Canada
Ren, Shuzhan	University of Toronto

Reszka, Matt	Environment Canada
Robichaud, Alain	Environment Canada
Rochon, Yves J.	Environment Canada
Scaife, Adam	Met Office
Schwinger, Jörg	University of Cologne
Shepherd, Theodore G.	University of Toronto
Sloan, James	University of Waterloo
Strong, Kimberly	University of Toronto
Toohey, Matt	University of Toronto
Walker, Kalley	University of Toronto
Wang, Ding Yi	University of New Brunswick
Wang, Lei	University of Toronto
Ward, William	University of New Brunswick
Wargan, Kris	GSFC, SAIC
Wolff, Mareile	University of Toronto
Yudin, Valery	NCAR

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