

# **THE MAIN THRUST**

## **NEWSLETTER OF THE STRUCTURAL GEOLOGY AND TECTONICS DIVISION OF THE GEOLOGICAL ASSOCIATION OF CANADA**

Fall/Winter 2008/2009

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2008*

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## 1. 2008 CTG/SGTD Workshop, Moncton, New Brunswick

The 28th CTG meeting, co-hosted by the SGTD, was held in Moncton, New Brunswick, 17-19 Oct. 2008. It was excellently organized by Andy Parmenter (UNB). Adrian Park (UNB), Sandra Barr (Acadia), and Chris White (NSDNR) led a fantastic fieldtrip through a high-strain zone in the Caledonian Highlands in southern New Brunswick. 23 delegates from coast to coast attended the meeting. The program with abstracts, the field-trip guide and a series of photos from the meeting will be available on the SGTD/CTG website ([www.brocku.ca/ctg](http://www.brocku.ca/ctg)).



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## 2. SGTD Business Meetings

A SGTD business meeting was held at GAC-MAC'08 in Quebec City. Minutes of the meeting are appended to this Newsletter. A brief business meeting was also held at the CTG/SGTD workshop in Moncton.

The next business meeting will be held at the Joint Assembly in Toronto in May 2009.

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## 3. Preview of the 2009 Joint Assembly, Toronto, May 24-27

The 2009 Joint Assembly will be held in Toronto from May 24 through May 27, 2009. The SGTD sponsors following sessions:

***GA10: Variations in Litho-Structural and Tectonic Styles along the Grenville Orogen***  
Conveners: Fried Schwerdtner (*University of Toronto*) and Alan P. Dickin (*McMaster University*)

***GA16: From Microstructures to Tectonics: Multiple Scales of Deformation in the Lithosphere***

Conveners: Shoufa Lin (*University of Waterloo*), Bruno Lafrance (*Laurentian University*), Dazhi Jiang (*University of Western Ontario*), and Jim Ryan (*Geological Survey of Canada*)

***U07: Appalachian Connections Through the Americas***

Conveners: Sandra M. Barr (*Acadia University*), Mónica P. Escayola (*Universidad Nacional de Salta*), James P. Hibbard (*North Carolina State University*), Cees R. van Staal (*Geological Survey of Canada*)

Additional information is available on <http://www.agu.org/meetings/ja09/>.

*Abstract deadline is March 4, 2009.*

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**4. Preview of the 2009 CTG/SGTD Fall Workshop**

The 2009 CTG/SGTD meeting will be held in Manitoba (Pine Falls?) on Oct. 9-11 (dates tentative). It will be organized by Scott Anderson and Chris Beaumont-Smith (*Manitoba Geological Survey*) and Alfredo Camacho (*University of Manitoba*). The field trip will be in the Rice Lake greenstone belt in the Superior Province, northeast of Winnipeg. Updates on the meeting will be posted on the SGTD/CTG's website ([www.brocku.ca/ctg/](http://www.brocku.ca/ctg/)).

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**5. Winners of the 2008 Jack Henderson Best Thesis Awards**

**Jack Henderson Award for Best Ph.D. Thesis**

**Michael Ames Cooley** of *Queen's University* for the thesis:

***"The Structural, Thermal, and Fluid Evolution of the Livingstone Range Anticlinorium, and its Regional Significance to the Southern Alberta Foreland Thrust and Fold Belt"***.

The thesis was supervised by Ray Price.

**Jack Henderson Award for Best M.Sc. Thesis:**

**Rebecca Hunter** of *University of Regina* for the thesis:

***"A Geological Investigation of the Thluicho Lake Group, southwestern Rae Province, Saskatchewan, Canada"***.

The thesis was supervised by Kathryn Bethune and Ken Ashton.

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**6. Winners of the 2008 Dave Elliott Best Paper Award**

Elena A. Konstantinovskaya, Lyal B. Harris, Jimmy Poulin, and Gennady M Ivanov (*INRS-ETE*) for the paper:

***"Transfer zones and fault reactivation in inverted rift basins; insights from physical modelling"***.

## **7. Call for Submissions for the 2009 Jack Henderson Best MSc Thesis Award and Best PhD Thesis Award, and Dave Elliott Best Paper Award**

We are calling for submissions for the Best MSc Thesis Award and the Best PhD Thesis Award. Theses submitted to a Canadian university and successfully *defended* in the 2008 calendar year are eligible. Submission deadline is January 31, 2009. A submission can be made by the thesis supervisor or by the student. It should include a “statement of nomination” letter from the supervisor, stating that the thesis was successfully defended in 2008 and outlining the key contributions that it makes to structural geology and tectonics. In the case that the student submits a copy of the thesis, the onus is on the student to make sure that the supervisor (or a key member of the supervisory committee in the case that the supervisor is not available) submits the nomination letter, as a form of quality control. Theses for which we receive no nomination letters will *not* be considered for an award. Please send the theses to:

Bruno Lafrance (SGTD Vice Chairman)  
Department of Earth Sciences  
Laurentian University  
Sudbury, Ontario, P3E 2C6  
Telephone: (705)675-1151 ext 2264  
Fax: (705) 675-4898  
E-mail: [blafrance@laurentian.ca](mailto:blafrance@laurentian.ca).

We are also calling for submissions for the Best Paper Award. Papers written by authors based in Canada or dealing with Canadian topics and published in the 2008 calendar year are eligible. Submission deadline is also January 31, 2009. A submission should include a nomination letter and a PDF file of the paper. Submissions by the authors will also be considered. These submissions should go to:

Shoufa Lin (SGTD Chairman)  
Department of Earth Sciences  
University of Waterloo  
200 University Avenue West  
Waterloo, Ontario, N2L 3G1  
Tel: +1 (519) 888-4567, ext. 36557  
Fax: +1 (519) 746-7484  
E-mail: [shoufa@sciborg.uwaterloo.ca](mailto:shoufa@sciborg.uwaterloo.ca).

The winners will be announced at the GAC Award Luncheon at the 2008 GAC-MAC annual meeting in Quebec.

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## **8. The CFES Mentorship Medal in honour of Paul F. Williams**

The Canadian Federation of Earth Sciences (CFES) has just created a mentorship medal “to recognize the sustained and inspirational mentorship of colleagues and employees including peers, graduate students, undergraduate students and technicians. The award was set up in honour of Paul F. Williams”, a long-time SGTD member “known for scientific and mentoring excellence, candour and integrity”.

The CFES Mentorship Medal is awarded annually to an earth scientist from Canadian academia, government or industry, and the inaugural medal will be presented to Paul Williams at the upcoming Joint Assembly in Toronto in May, 2009.

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## **9. Greetings from All Current SGTD Executive and Councillors**

**We wish you a Happy New Year!**

**Chairman:** *Shoufa Lin*, University of Waterloo

**Vice Chairman:** *Bruno Lafrance*, Laurentian University

**Secretary:** *Jürgen Kraus*, Mortal Oil Ltd.

**Treasurer:** *Andy Okulitch*, GSC (Vancouver)

**Councillors:**

*Dan Gibson*, Simon Fraser University

*Lyal Harris*, Institut national de la recherche scientifique

*Edith Martel*, Northwest Territories Geoscience Office

*Joseph C. White*, University of New Brunswick

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## **Appendix: Minutes of SGTD Business Meeting at GAC/MAC Annual Meeting Quebec 2008**

Date and Time of Meeting: Tuesday May 27<sup>th</sup> at 4:30 pm to 5:30 pm

In Attendance: Jim Ryan, Pierre-Yves Robin, John Waldron, Fried Schwertdner, Lyal Harris, Lori Kennedy, Shoufa Lin, Bruno Lafrance, Normand Goulet, Sharon Carr, Kathryn Bethune, Sandy Cruden, Andy Parmenter

Minutes recorded by Bruno Lafrance

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- (1) Adoption of minutes from meeting at Mattawin CTG meeting: Moved by Pierre-Yves Robin. Seconded by Jim Ryan. Unanimous
  - (2) Chair’s Report:

- The “general structural session” chaired by John Waldron and Shoufa Lin was very successful with over 30 presentations.
  - The Division sponsored four special sessions but was only officially recognized in the program booklet for one session.
  - 5 papers have been nominated for the best paper of the year. The awards for the best theses and paper will be decided before the next CTG meeting.
- (3) Normand Goulet moved that the membership fee for the Division be increased from \$5 to \$10 because the annual revenue of the Division through membership fees is completely being used to cover the awards for best theses and paper. The motion was seconded by Jim Ryan. Unanimous vote in favor.
- (4) Shoufa Lin presented the Financial Report of the Division.
- (5) John Waldron moved that \$1,500 from existing Division’s funds be used to support students’ traveling costs to the coming CTG meeting in New Brunswick. Seconded by K. Bethune. Unanimous
- (6) Bruno Lafrance moved that leftover funds from previous CTG meetings be used to sponsor student traveling costs to following CTG meetings. Seconded by Fried Schwertdner. Unanimous.
- (7) AGU-GAC-MAC Toronto 2009

Shoufa Lin reported that no division has been asked yet to sponsor a special session. It may still be possible to suggest a special session but any proposal would have to be vetted through the AGU. A proposal will be submitted to AGU for a special “general structural” session on *Structure and Tectonics of Canadian Orogens*.