



Mineralogical Association of Canada

www.mineralogicalassociation.ca

GEOCONVENTION 2020 JOINT MEETING



CSPG • CSEG • CWLS • GAC • MAC • IAH

The GeoConvention 2020 meeting will be held in association with the Geological Association of Canada–Mineralogical Association of Canada (GAC–MAC) Annual Conference, which itself is to be held 11–15 May 2020 at the Telus Convention Centre in Calgary (Canada).

With over 5,000 attendees expected, GeoConvention 2020 is your opportunity to showcase your work and to knowledge-share with a wide variety of Earth science and industry professionals, as well as with leaders from the Canadian Society of Petroleum Geologists, Canadian Society of Exploration Geophysicists, Canadian Well Logging Society, Geological Association of Canada, Mineralogical Association of Canada, International Association of Hydrogeologists Canadian National Chapter, Geothermal Canada, and others!

REGISTER EARLY AND SAVE UP TO \$200!
The early bird rate deadline: 3 April 2020

Visit the meeting website for more info at:
<https://geoconvention.com/>

MAC-Sponsored Workshop and Field Trip at GeoConvention 2020

Pre-meeting one-day workshop entitled Phase Equilibrium Modelling: Approaches and Pitfalls

Date: Sunday, 10 May 2020

Organizers: D. Pattison (University of Calgary), D. Tinkham (Laurentian University) and J. Forshaw (University of Calgary)

All practicing and up-and-coming metamorphic geoscientists need to have a nuanced understanding of the potential of, and the pitfalls of, modern phase equilibrium modelling. The aim of the workshop is to present and discuss (1) the most commonly used phase equilibrium modelling software packages currently available (THERMOCALC, Perplex, Theriak-Domino), focusing on their capabilities and pros/cons; (2) the factors that influence the reliability of phase equilibrium modelling, including thermodynamic database/activity–composition models, effective bulk composition, and kinetics. The workshop will comprise eight approximately one-hour sessions, of which one third to one half of each session will be dedicated to discussion. Workshop materials provided to participants will be electronic copies of presentation slides and reference lists (there will be no hard copy workshop volume).

- **Enrollment cap for workshop:** 25 attendees
- **Cost of workshop:** CAN\$175
- **What's included:** e-copies of presentation materials; breakfast, lunch, morning/afternoon coffee
- **Time and location:** 08:00–18:00 on Sunday, 10 May 2020; Department of Geoscience, University of Calgary (details to be arranged)
- **Registration opens:** Wednesday, 15 January 2020

Post-meeting four-day field trip “Metamorphism and Tectonics in the Omineca Belt, Southeastern British Columbia”

Dates: Thursday, 14 May to Sunday, 17 May 2020

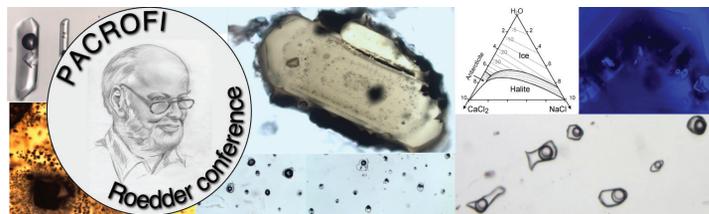
Field trip leaders: D. Pattison (University of Calgary) and graduate students

An examination of Barrovian regional metamorphism, Buchan-type regional metamorphism, contact metamorphism, and core-complex metamorphism in the Omineca Belt of SE British Columbia (Canada). The field trip goes from Calgary to Grand Forks, returning to Calgary. Day 1 will examine the geology of the Rocky Mountains, the Rocky Mountain Trench, the Purcell Mountains, and fault-bounded Buchan-type metamorphism in the Purcell Anticlinorium (Matthew Creek metamorphic zone). Day 2 will examine the geology and Barrovian metamorphism of the Kootenay Arc, the metamorphic contrast across some Paleogene Cordilleran normal faults (Purcell Trench Fault and related faults), and contact metamorphism surrounding the Nelson Batholith. Day 3 will focus on the Valhalla and Grand Forks–Kettle core complexes, including their geology, metamorphism, and bounding faults. Day 4 will involve optional stops on the way back to Calgary.

- **Enrollment cap for field trip:** 20 attendees
- **Cost of field trip:** CAN\$795
- **What's included:** hard copy field guide; transportation in vans/sport utility vehicles (SUVs); accommodation (based on two people per room); packed lunches; all meals, except breakfast on Thursday, 14 May and dinners on Saturday, 16 May and Sunday, 17 May
- **Departure time and location:** 08:00 on Thursday, 14 May 2020; location to be arranged, but near the Convention Centre
- **Return time and location:** 20:00 ± 2 hours on Sunday, 17 May 2020; location same as departure location
- **Registration opens:** Wednesday, 15 January 2020

PACROFI 2020 CONFERENCE

The Pan-American Current Research on Fluid Inclusions (PACROFI) 2020 Conference will be held 16–18 May 2020 at the Geology Department of the University of Calgary (Calgary, Canada).



MAC-Sponsored Short Course

Pre-meeting two-day short course entitled Fluid and Melt Inclusions: Applications to Geologic Processes

Dates: Thursday and Friday, 14–15 May 2020

Organizers: Pilar Lecumberri-Sanchez (University of Alberta), Matthew Steele-MacInnis (University of Alberta), Daniel Kontak (Laurentian University)

The focus of this short course will be on the state-of-the-art use of fluid inclusions and melt inclusions to answer geologic questions relevant to paleoclimate, basin reconstruction, metamorphism, magmatism, and mineral deposits.

Day 1

- “Introduction” (Bob Bodnar).
- “Unraveling Structural Diagenetic Processes in Sedimentary Basins using Fluid Inclusions” (Andras Fall).
- “Fluid Inclusions and Basin Modelling: Limits and Advantages to Decipher Complex Fluid–Rock Interactions with Time” (Jacques Pironon).
- “Applications of Fluid Inclusions to Studies of Sediment-Hosted Base-Metal Ore Deposits” (Martin Appold).
- “Characterizing Fluid and Melt in High-Grade Metamorphic Rocks” (Omar Bartoli).
- Bring your own samples and hands-on teaching samples.

Day 2

- “Fluid and Melt Inclusions in Diamond as Insight into Mantle Processes” (Evan Smith).
- “A Review of Sulfide, Silicate and Fluid Inclusions in Mafic and Felsic Plutonic Rocks” (Jake Hanley).
- “The Reliability of Melt Inclusions to Study Volcanoes” (Rosario Esposito).
- “Fluid Inclusions in Mineral Deposits: Exploration, Genetic Models and Magmatic Hydrothermal Ore Deposits” (Simone Runyon, Matthew Steele-MacInnis, Pilar Lecumberri-Sanchez).
- “Melt and Fluid Inclusion Studies Through Time: Yesterday, Today and Tomorrow” (Robert Bodnar).
- Bring your own samples and hands-on teaching samples.

Enrollment cap: 40 attendees

Cost of registration: Students CAN\$275, Professionals CAN\$550

What’s included: Short-course volume; three coffee breaks

Time and location: 08:00–18:00, Thursday and Friday, 14–15 May 2020; Department of Geoscience, University of Calgary (details to be arranged)

Registration opens: Tuesday, 21 January 2020

You may register for the short course only [and not for the meeting] if your budget doesn’t allow to attend both events.

Contact information: Pilar Lecumberri-Sanchez. Office: ESB 3-03; Phone: 780-492-5071; E-mail: lecumber@ualberta.ca

Visit the meeting website for more info:
<https://cms.eas.ualberta.ca/pacrofi/>

MAC PINCH MEDAL – CALL FOR NOMINATIONS

The Pinch Medal is awarded every other year since 2001 to recognize major and sustained contributions to the advancement of mineralogy by members of the collector–dealer community. This medal is named for William Wallace Pinch (1940–2017) of Rochester (New York, USA) in recognition of his enormous and selfless contributions to mineralogy through the identification of ideal specimens for study and through his generosity in making them available to the academic community.

Nominations for the 2021 medal are to be submitted to **Andrew M. McDonald** (Department of Earth Sciences, Laurentian University, Sudbury, Ontario, P3E 2C6, Canada); E-mail: amcdonald@laurentian.ca.

Please submit your nominations by **1 May 2020**. Check our website, www.mineralogicalassociation.ca, for additional details.

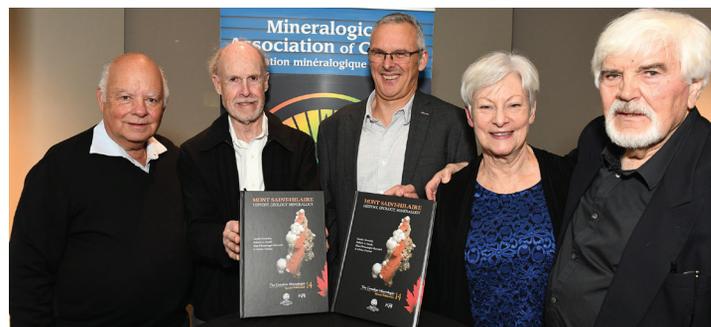
MONT SAINT-HILAIRE BOOK LAUNCH

Mont Saint-Hilaire: History, Geology, Mineralogy

Special Publication 14, 2019

ISBN: 978-0-921294-61-0

The Mont Saint-Hilaire book launch was quite a ‘bash’, and something of a mineralogical community reunion, for those who attended this very successful event, which took place in November 2019 at the Canadian Museum of Nature (Ottawa). This publication is a complete reference for both amateur and professional mineralogists. All who attended the launch were very impressed with the book.



FROM LEFT TO RIGHT: R. F. Martin (Editor), R. A. Gault, G. Poirier, E. Pfenninger-Horváth, and L. Horváth (Authors). PHOTO BY RENI BARLOW

For more information, or to order the volume, visit our website at www.mineralogicalassociation.ca

\$3000 and \$5000

Scholarships

The Mineralogical Association of Canada

will award a \$3000 scholarship to a graduate student enrolled in an MSc program and a \$5000 to a student in a PhD program. The applicable fields of study are:

- Mineralogy
- Crystallography
- Geochemistry
- Mineral Deposits
- Petrology

**Deadline to apply:
May 1, 2020**

Eligibility

- ① Students entering the second year of an MSc program or the second or third year of a PhD program at a Canadian university in September 2020.
- ② Canadian citizens enrolled in the above or equivalent programs at any university.

For more information, contact the business office:

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 490 de la Couronne
 Québec, Qc G1K 9A9, Canada
office@mineralogicalassociation.ca

Application form available at www.mineralogicalassociation.ca

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