



# Mineralogical Association of Canada

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## 2015 MAC AWARDS

### Peacock Medal to Donald Bruce Dingwell



The Peacock Medal, the highest award bestowed by the Mineralogical Association of Canada (MAC), was awarded to Donald Bruce Dingwell of the Ludwig-Maximilians-Universität München (Germany) for his outstanding contributions to the new and expanding field of experimental volcanology. Dingwell's principal research interest is the physicochemical properties of molten rocks and their impact on volcanic systems. He has published

about 350 papers whose impact is reflected in more than 10,000 citations.

Born in Corner Brook, Newfoundland (Canada), Don Dingwell received his BSc (1980) in geology/geophysics from the Memorial University of Newfoundland and his PhD in geology from the University of Alberta (1984). After two years at the Geophysical Laboratory of the Carnegie Institution of Science and one year on the faculty of the University of Toronto (Ontario), he was recruited as assistant to the director of a newly founded research institute in Bayreuth (Germany). In 2000, he became chair in mineralogy and petrology at the Ludwig-Maximilians-Universität München where he founded the Department of Earth and Environmental Sciences, of which he is currently director.

His research has been recognized by numerous scientific awards, including the Norman L. Bowen Award of the American Geophysical Union, the Otto Schott Research Award of the Ernst Abbe Foundation, the Robert Wilhelm Bunsen Medal of the European Geosciences Union, the Viktor-Moritz-Goldschmidt Award of the German Mineralogical Society, the MSA Award of the Mineralogical Society of America, and the Gerhard-Hess Research Prize of the German Research Council (DFG). The president of Germany has also bestowed upon him the Order of Merit of the Federal Republic of Germany.

Don Dingwell has held office in national and international societies, recently serving as president of the European Geosciences Union. He currently chairs the Earth and Cosmic Sciences section of the Academia Europaea and serves on its board, he is a member of the European Academies Sciences Advisory Council, and he is the president-elect of the International Association of Volcanology and Chemistry of the Earth's Interior. Don recently completed his term as 3<sup>rd</sup> Secretary General of the European Research Council, Europe's flagship research funding organization.

### Young Scientist Award to Gordon R. Osinski



Gordon "Oz" Osinski is an associate professor and the NSERC/MDA/CSA Industrial Research Chair in Planetary Geology at the University of Western Ontario. He holds a BSc (Hons) from the University of St. Andrews (Scotland) (1999) and a PhD from the University of New Brunswick (2004). His research focuses on understanding impact cratering as a planetary geological process on Earth, the Moon, and Mars. His interests also include the

development of exploration technologies and techniques for application in remote and extreme environments both on Earth and in space. He was awarded a Canadian Space Agency Fellowship in Space Science (2007), an Ontario Ministry of Research and Innovation Early Researcher Award (2009), the 2009 Nier Prize of the Meteoritical Society, and an NSERC Discovery Accelerator Supplement in 2013. Dr. Osinski is also director of the Centre for Planetary Science and Exploration at the

University of Western Ontario, the principal investigator of the Canadian Lunar Research Network, and the founder and first chair of the Planetary Sciences Division of the Geological Association of Canada.

### Berry Medal to Martine M. Savard



The MAC recognizes the long-term dedication of individuals to our association through awarding of the Berry Medal (named after Len Berry, a professor of mineralogy at Queen's University (Ontario) and editor of *The Canadian Mineralogist* from 1955 until 1975). This year's winner is Dr. Martine M. Savard who, over a ten-year period, served the Mineralogical Association of Canada as a councilor (2004–2006), treasurer (2006–2008), and signing officer (2008–

2014). Importantly, Martine was instrumental in coordinating major changes in the financial institutions used by MAC and in facilitating the move of MAC's business office from Ottawa to Quebec City in 2005. She was also our champion for space in the Institut National de la Recherche Scientifique–Commission Géologique du Canada (INRS-CGC) building, a location that the MAC continues to operate from today.

Martine Savard has been a researcher at the Geological Survey of Canada (GSC) since 1990. She is also an adjunct professor at Institut National de la Recherche Scientifique–Eau, Terre, Environnement (INRS-ETE) where she has been coteaching a stable isotope graduate course for 14 years. She is the head of the GSC's Delta-Lab, a stable isotope laboratory. Recently, she and her team have been addressing such environmental questions as the sustainable development of groundwater resources in eastern Canada, and distinguishing between natural and anthropogenic metal accumulations in the vicinity of Canadian smelters and mining operations.

### Hawley Medal to Fernando G. Sardi and Adriana Heimann

The Hawley Medal is awarded to the authors of the best paper published in *The Canadian Mineralogist*. For 2014, it is awarded to Fernando G. Sardi and Adriana Heimann for their paper, "Pegmatitic beryl as indicator of melt evolution: example from the Velasco District, Pampeana Pegmatite Province, Argentina, and review of worldwide occurrences" (*Canadian Mineralogist* 52: 809-836).



**Fernando Guillermo Sardi** has been professor (since 2009) and assistant/associate professor (1992–2009) of geochemistry at the Faculty of Natural Sciences and Miguel Lillo Institute of the National University of Tucumán (Argentina). He has also been a researcher of the National Research Council (CONICET, Argentina) since 2007. Currently, his research deals with the mineralogy and geochemistry of pegmatites and hydrothermal

mineral deposits localized mainly in the Precambrian–Paleozoic Sierras Pampeanas.



**Adriana Heimann Ríos** holds a faculty position in mineralogy and petrology at the East Carolina University in Greenville, North Carolina (USA) since 2009. Her current research focuses on the chemistry of minerals from granitic pegmatites as indicators of melt evolution, the geochemistry and genesis of banded iron formations, and Fe isotope geochemistry in igneous systems.

## WELCOMING NEW COUNCIL MEMBERS

### Finance Committee Chair



**Michelle A. E. Huminicki** (Brandon University, Manitoba) received a BSc (honors) in geology from the University of Manitoba in 2000, an MSc from Laurentian University (Ontario) in 2003, and a PhD from the Memorial University of Newfoundland in 2008. She has worked for Falconbridge Ltd (2000), the Ontario Geological Survey (2002), Anglo American (2007), and Rockcliff Resources Inc. (2008). Michelle is registered as a professional

geoscientist with the Association of Professional Engineers and Geoscientists of Manitoba. Since 2009, she has been employed at Brandon University as a faculty member and manager of the Micro Analytical Facility. In addition to carrying out analytical work and research, Dr. Huminicki supervises thesis students and research assistants.

### Councilors 2015–2018



**Ekaterina Reguir** is a research associate and sessional lecturer at the Department of Geological Sciences, University of Manitoba. She received an undergraduate degree in mineralogy from St. Petersburg State University (Russia), an MSc in geology from Lakehead University (Ontario), and a PhD from the University of Manitoba. Her main areas of research are the petrogenesis of carbonatites and kimberlites, trace element characteristics of minerals from alkaline rocks, and geochronology.



**Anežka Borčinová Radková** is currently a PhD candidate in environmental mineralogy at Queen's University (Ontario). She received a BSc in geology and an MSc in mineralogy and petrology at Comenius University in Bratislava (Slovakia). Currently, under the supervision of Dr. Heather Jamieson, she investigates the oxidation products of tetrahedrite-group minerals and studies the influence of the crystallization of secondary minerals

on antimony mobility in mine drainage. Her field sites include some abandoned copper deposits in Slovakia and the Beaver Brook antimony mine in Newfoundland. Her research interests include environmental mineralogy and geochemistry and the application of synchrotron radiation-based techniques on the study of mine-waste mineralogy.

We extend our thanks to outgoing Finance Committee Chair, Neil Banerjee, and outgoing councilors Roberta Flemming and Mostafa Fayek, who have served MAC for the last 3 years.

## AN INVITATION TO ATTEND WHITEHORSE 2016

### *From the Margin of Laurentia, to the Margin of Beringia, to the Margin of Society*

The Whitehorse 2016 Organizing Committee invites you to attend the first-ever GAC–MAC meeting in the Yukon Territory, which will be held 1–3 June 2016 at the Yukon College Campus in Whitehorse, the wilderness city. The conference will highlight Northern Cordilleran geology and feature field trips to some unique geologic settings. A diverse program will cover a range of geoscience disciplines, including tectonics, metallogeny, geological hazards, and glaciated (and unglaciated!) northern landscapes, all against a backdrop of spectacular scenery and warm hospitality. Here is a sampling of the special sessions and field trips that will be on offer.

### Special Sessions

- Proterozoic basins of Northern Laurentia
- Northwest Laurentia's neighbors in Proterozoic supercontinents: Cratonic identifications and their geodynamic implications
- Geology and tectonics of accretionary settings
- Structure, magmatism and metallogeny of the evolving North American Cordilleran margin
- Environmental stewardship in mining
- Indicator minerals in till and stream sediments
- Geohazards in a changing climate
- Investigating crustal neotectonics on the western margin of North America
- Tectonic controls on northern Canada's mineral and petroleum resources
- Cratons, kimberlites and diamonds
- Characteristics and causes of low-pressure metamorphism
- Ore petrology – application of past, present and future methods to ore systems
- Stable isotopes and the Earth system

### Field Trips

- SED-EXhumed: Catch a rare glimpse into the belly of the Faro Mine Complex, one of Canada's most prolific past-producers of lead and zinc
- From veins to valleys: The history of Klondike gold
- Overview of geology of accreted terranes and Whitehorse Trough
- Tour of the Keno Hill Mining District
- History of the Whitehorse Copper Belt
- Geology of the Whitehorse Copper Belt
- VMS and orogenic gold deposits of the Chatham Strait, southeast Alaska



**Special Sessions**  
*Rodinia to Laurentia in NW North America*  
*Geology and tectonics of orogenic belts*  
*Remediation and mine closure in cold climates*

## Whitehorse 2016

# GAC®–MAC Joint Annual Meeting

# L'AGC®–AMC Congrès Annuel

### June 1–3, 2016

Join us for the first GAC®–MAC annual meeting to be held in Yukon! The conference theme, *"From Laurentia to Beringia: Margins through time"*, reflects a wide array of technical sessions and field trips sure to cover topics of interest to geologists of all kinds.

[www.whitehorse2016.ca](http://www.whitehorse2016.ca)



**MAC-AMC**

**Séances Spéciales**  
*De la Rodinie à la Laurentie dans le Nord-Ouest de l'Amérique du Nord*  
*Géologie et tectonique des chaînes orogéniques*  
*Remédiation des sites miniers sous climats froids*

Joignez-vous à nous pour le congrès annuel de l'AGC®–AMC 2016 qui se tiendra pour la première fois au Yukon. Le thème de la conférence: *"De la Laurentie à la Béringie : les marges au fil du temps"*, comprend une large variété de séances techniques et d'excursions qui couvriront sûrement les sujets d'intérêt des géologues de tout genre.