

GAC-MAC 2021 Program at a glance



GEOLOGICAL
ASSOCIATION OF CANADA
ASSOCIATION
GÉOLOGIQUE DU CANADA



MINERALOGICAL
ASSOCIATION OF CANADA
ASSOCIATION
MINÉRALOGIQUE DU CANADA

GAC-MAC 2021 :: Monday, November 1

Eastern

Virtual Program only

10:40

11:00 Opening and Welcome :: Gordon Osinski and Roberta Flemming

11:20 Plenary Lecture

11:40 Hendratta Ali (Fort Hays State University)

12:00 *Attrition, recruitment and retention in the Geosciences: rethinking past approaches*

12:20

12:40

refresh break

13:00

13:20

Virtual Posters

13:40

in Gather Town

14:00

14:20

social lounge and virtual posters available throughout Nov 1 to 5

14:40

15:00 GAC Logan Lecture

15:20 Margot McMechan (Geological Survey of Canada - Calgary)

15:40 *Tectonic history of the Canadian Rocky Mountains*

16:00

refresh break

16:20

16:40

Virtual Posters

17:00

in Gather Town

17:20

17:40

social lounge and virtual posters available throughout Nov 1 to 5

18:00

18:20

18:40

19:00

GAC-MAC 2021 :: Tuesday, November 2

Eastern

13:40

14:00

14:20

14:40

15:00

15:20

15:40

16:00

16:20

16:40

17:00

17:20

17:40

18:00

18:20

18:40

19:00

19:20

19:40

Registration onsite opens :: PAB 100

Exhibit Hall open

PAB Atrium

GAC-MAC 2021 Icebreaker :: Talbot Bowl Tent

*Featuring songs from Western troubadour **Rick McGhie!***

Exhibit Hall open

PAB Atrium

GAC-MAC 2021 :: Wednesday, November 3

| | Track 1 | Track 2 | Track 3 | Track 4 | Track 5 | Track 6 |
|-------------|---|---|------------------------------------|-----------------------------|-----------------------------|-----------------------------|
| | UC 3110 Conron Hall | UC 2110 | UC 3220 | PAB 148 | PAB 34 | AHB 1R40 |
| Eastern | Tectonics, Precambrian | Geoscience and Society | Mineralogy | Earth, Planetary Processes | Resource Geoscience | Life, Environment |
| 8:00 | Registration opens | Registration opens | Registration opens | Registration opens | Registration opens | Registration opens |
| 8:20 | | | | | | |
| 8:40 | SY-01 | SS-07 | SS-12 | | SS-01 | SS-13 |
| 9:00 | Understanding the | Geohazards and | Geophysical Imaging | SS-21 | Magmatic Hydrothermal | Ancient Life and |
| 9:20 | Precambrian | Disaster Resilience | | Early Solar System | Systems through Time | Ecosystems |
| 9:40 | refresh break | refresh break | refresh break | refresh break | refresh break | refresh break |
| 10:00 | SY-01 | SS-07 | SS-12 | SS-21 | SS-01 | SS-13 |
| 10:20 | Understanding the | Geohazards and | Geophysical Imaging | Early Solar System | Magmatic Hydrothermal | Ancient Life and |
| 10:40 | Precambrian | Disaster Resilience | <i>Geophysics for Truth</i> | | Systems through Time | Ecosystems |
| 11:00 | | | | | | |
| 11:20 | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture |
| 11:40 | | John Adams (Canadian Hazards Information Service, Natural Resources Canada) | | | | |
| 12:00 | <i>Seismic hazard assessment in Canada – applying science for societal relevance</i> | | | | | |
| 12:20 | | | | | | |
| 12:40 | open lunch | open lunch | open lunch | open lunch | open lunch | open lunch |
| 13:00 | | | | | | |
| 13:20 | SY-01 | SS-07 | SS-17 | SS-22 | SS-01 | SS-13 |
| 13:40 | Understanding the | Geohazards and | Minerals as Strain | Mars Processes | Magmatic Hydrothermal | Ancient Life and |
| 14:00 | Precambrian | Disaster Resilience | and Deformation | Geologic, Atmospheric | Systems through Time | Ecosystems |
| 14:20 | | | Recorders | and Hydrologic | | |
| 14:40 | refresh break | refresh break | refresh break | refresh break | refresh break | refresh break |
| 15:00 | SY-01 | SS-07 | SS-17 | SS-22 | SS-02 | GS-07 |
| 15:20 | Understanding the | Geohazards and | Minerals as Strain | Mars Processes | Footprints of | Advances in stratigraphy, |
| 15:40 | Precambrian | Disaster Resilience | and Deformation | Geologic, Atmospheric | Hydrothermal Deposits | sedimentology, geofluids |
| 16:00 | | | Recorders | and Hydrologic | | of Phanerozoic basins |
| 16:20 | | | | | | |
| 16:40 | reception @ tent | reception @ tent | reception @ tent | reception @ tent | reception @ tent | reception @ tent |
| 17:00 | Talbot Bowl Tent | Talbot Bowl Tent | Talbot Bowl Tent | Talbot Bowl Tent | Talbot Bowl Tent | Talbot Bowl Tent |
| 17:20 | | | | | | |
| 17:40 | Posters and Exhibits | Posters and Exhibits | Posters and Exhibits | Posters and Exhibits | Posters and Exhibits | Posters and Exhibits |
| 18:00 | PAB Atrium | PAB Atrium | PAB Atrium | PAB Atrium | PAB Atrium | PAB Atrium |
| 18:20 | | | | | | |
| 18:40 | | | | | | |
| 19:00 | | | | | | |

GAC-MAC 2021 :: Thursday, November 4

| | Track 1 | Track 2 | Track 3 | Track 4 | Track 5 | Track 6 | Track 7 |
|---------|---|--|----------------------|----------------------------|----------------------------------|-------------------------|----------------------|
| | UC 3110 Conron Hall | UC 2110 | UC 3220 | PAB 148 | PAB 34 | AHB 1R40 | Virtual |
| Eastern | Tectonics, Precambrian | Geoscience and Society | Mineralogy | Earth, Planetary Processes | Resource Geoscience | Life, Environment | |
| 8:00 | Registration opens | Registration opens | Registration opens | Registration opens | Registration opens | Registration opens | |
| 8:20 | | | | | | | |
| 8:40 | SY-01 | SS-10 | | SS-25 | SS-03 | SS-11 | |
| 9:00 | Understanding the | The Anthropocene | SY-04 | Meteorite Impacts | Advanced Analytical | Glacial, Good, Great | SS-26 |
| 9:20 | Precambrian | - Its Signature | Low-Temp Mineralogy | | Deposits and Ores | Processes, Environments | Geosciences History |
| 9:40 | refresh break | refresh break | refresh break | refresh break | refresh break | refresh break | refresh break |
| 10:00 | SY-01 | SS-10 | SY-04 | SS-25 | <i>Mineral Deposits Division</i> | SS-11 | SS-05 |
| 10:20 | Understanding the | The Anthropocene | Low-Temperature | Meteorite Impacts | WHG Award Lecture by | Glacial, Good, Great | Cumulative Effects |
| 10:40 | Precambrian | - Its Signature | Mineralogy | | Pilar Lecumberri-Sanchez | Processes, Environments | Assessment Resources |
| 11:00 | | | | | (University of Alberta) | | |
| 11:20 | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture |
| 11:40 | | Robert M. Hazen (Carnegie Institute for Science) | | | | | |
| 12:00 | <i>An Evolutionary System of Mineralogy: In Search of Mineral "Natural Kinds"</i> | | | | | | |
| 12:20 | | | | | | | |
| 12:40 | open lunch | open lunch | open lunch | open lunch | open lunch | open lunch | open lunch |
| 13:00 | | | | | | | |
| 13:20 | SY-01 | SS-19 | SS-04 | SS-23 | SS-03 | SS-11 | SS-05 |
| 13:40 | Understanding the | Volcanology, Through | Diamonds in Cratons | Remote Sensing of the | Advanced Analytical | Glacial, Good, Great | Cumulative Effects |
| 14:00 | Precambrian | Time and Space | Diamond-Bearing Rock | Earth and Planets | Deposits and Ores | Processes, Environments | Assessment Resources |
| 14:20 | | | Mantle Xenoliths | | | | |
| 14:40 | refresh break | refresh break | refresh break | refresh break | refresh break | refresh break | refresh break |
| 15:00 | SY-01 | GS-04 | SS-04 | SS-23 | SS-03 | SS-11 | SS-05 |
| 15:20 | Precambrian | Igneous and | Diamonds in Cratons | Remote Sensing of the | Advanced Analytical | Glacial, Good, Great | Cumulative Effects |
| 15:40 | | Metamorphic | Diamond-Bearing Rock | Earth and Planets | Deposits and Ores | Processes, Environments | Assessment Resources |
| 16:00 | GS-02 | Petrology | Mantle Xenoliths | | | | |
| 16:20 | Geophysics General | | | | | | |
| 16:40 | reception @ tent | reception @ tent | reception @ tent | reception @ tent | reception @ tent | reception @ tent | |
| 17:00 | Talbot Bowl Tent | Talbot Bowl Tent | Talbot Bowl Tent | Talbot Bowl Tent | Talbot Bowl Tent | Talbot Bowl Tent | |
| 17:20 | | | | | | | |
| 17:40 | Posters and Exhibits | Posters and Exhibits | Posters and Exhibits | Posters and Exhibits | Posters and Exhibits | Posters and Exhibits | |
| 18:00 | PAB Atrium | PAB Atrium | PAB Atrium | PAB Atrium | PAB Atrium | PAB Atrium | |
| 18:20 | | | | | | | |
| 18:40 | | | | | | | |
| 19:00 | | | | | | | |

GAC-MAC 2021 :: Friday, November 5

| | Track 1 | Track 2 | Track 3 | Track 4 | Track 5 | Track 6 |
|---------|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | UC 3110 Conron Hall | UC 2110 | UC 3220 | PAB 148 | PAB 34 | AHB 1R40 |
| Eastern | Tectonics, Precambrian | Geoscience and Society | Mineralogy | Earth, Planetary Processes | Resource Geoscience | Life, Environment |
| 8:00 | Registration opens | Registration opens | Registration opens | Registration opens | Registration opens | Registration opens |
| 8:20 | | | | | | |
| 8:40 | GS-01 | SY-05 | GS-02 | SS-20 | SS-08 | SY-03 |
| 9:00 | Structure and Tectonics | Asking the Earth: Safely | Geophysics General | Secular Evolution of the | Marine Geology | Geoscience Education |
| 9:20 | Recent Advances | Isolating Nuclear Fuel | | Earth's Geodynamics | Seafloor Metallogeny | |
| 9:40 | refresh break | refresh break | refresh break | refresh break | refresh break | refresh break |
| 10:00 | GS-01 | SY-05 | SS-16 | SS-20 | SS-08 | SS-27 |
| 10:20 | Structure and Tectonics | Asking the Earth: Safely | Synthetic and Natural | Secular Evolution of the | Marine Geology | Geoscience Teaching and |
| 10:40 | Recent Advances | Isolating Nuclear Fuel | Minerals | Earth's Geodynamics | Seafloor Metallogeny | Learning During Pandemic |
| 11:00 | | | | | | |
| 11:20 | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture | Plenary Lecture |
| 11:40 | Sarah Hirschorn and Jessica Perritt (Nuclear Waste Management Organization) | | | | | |
| 12:00 | <i>Learning from our Grandfathers: How Indigenous Knowledge and Western Science systems come together for the long term management of Canada's Used Fuel</i> | | | | | |
| 12:20 | | | | | | |
| 12:40 | open lunch | open lunch | open lunch | open lunch | open lunch | open lunch |
| 13:00 | | | | | | |
| 13:20 | GS-01 | SY-05 | SS-16 | SS-15 | | SS-27 |
| 13:40 | Structure and Tectonics | Asking the Earth: Safely | Synthetic and Natural | Evolution of Earth's | SS-06 | Geoscience Teaching and |
| 14:00 | Recent Advances | Isolating Nuclear Fuel | Minerals | Atmosphere and Ocean: | Geothermal Exploration | Learning During Pandemic |
| 14:20 | | | | A Reappraisal | Research and Development | |
| 14:40 | refresh break | refresh break | refresh break | refresh break | refresh break | refresh break |
| 15:00 | GS-01 | SY-02 | SS-16 | SS-14 | SS-06 | SY-03 |
| 15:20 | Structure and Tectonics | Diversity in Geosciences | Synthetic and Natural | Non-Traditional Stable | Geothermal Exploration | Geoscience Education |
| 15:40 | Recent Advances | Panel Discussion | Minerals | Isotopes | Research and Development | |
| 16:00 | | | | | | |
| 16:20 | | | | | | |
| 16:40 | | | | | | |
| 17:00 | Come to the Grad Club! | Come to the Grad Club! | Come to the Grad Club! | Come to the Grad Club! | Come to the Grad Club! | Come to the Grad Club! |
| 17:20 | Middlesex College | Middlesex College | Middlesex College | Middlesex College | Middlesex College | Middlesex College |
| 17:40 | | | | | | |
| 18:00 | | | | | | |
| 18:20 | | | | | | |