

**GAC-MAC London 2021**



**November 1-5, 2021**



**MINERALOGICAL  
ASSOCIATION OF CANADA  
ASSOCIATION  
MINÉRALOGIQUE DU CANADA**

**Exploring Geosciences Through Time and Space  
Explorer les géosciences à travers le temps et l'espace**

## **Modern Scanning Electron Microscope: The Most Versatile Tool for Geoscience**

*Organizers:* Réjean Girard and Jonathan Tremblay (IOS Services Géoscientifiques Inc),  
rejeang@iosgeo.com

### **Two day pre-meeting Workshop, Saturday October 30 to Sunday October 31, 2021**

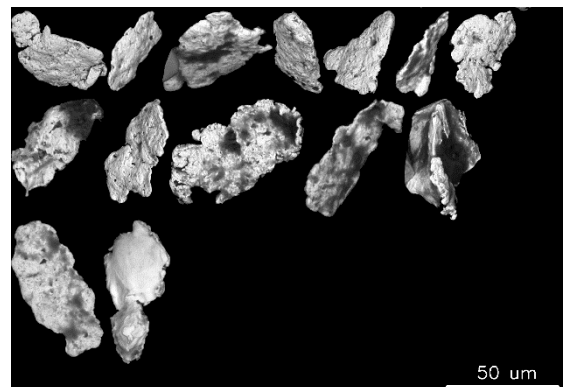
Although often perceived as the old dusty machine, scanning electron microscopes underwent rapid technological evolution in the last decade that makes them the most powerful tool available to geoscientists. A large array of detectors, fulfilling different functions, can be attached, synchronized and automated, fulfilling various needs such as fast EDS-SDD fully quantitative chemical analysis out-performing an electron microprobe, WDS for minor element analysis, micro-XRF for trace elements measurement, electron diffraction (EBSD) to reveal the crystalline structure, near-atomic scale TEM imaging, cathodoluminescence imaging and spectroscopy, microtomography or surface ablation for 3D imaging, QEMSCAN and MLA for automated mineralogy, etc. The workshop aims to familiarize geoscientists with operation of the instruments and its capabilities for their daily research work as well as presenting a series of automated applications and case studies.

*Intended audience:* Students and Industry, Government or Academic Researchers

*Sponsors:* IOS Services Géoscientifiques Inc.; Edge Scientific Inc.

#### *Registration information:*

- 1) Event Date/Time: 2 days: October 30-31, 2021, 9:00 am - 4:30 pm (EST)
- 2) Format: Hybrid
- 3) Registration Cost\*: \$50 Students; \$150 Academic & Government; \$300 Industry
- 4) Registration Cap: 30 on-site; 100 virtual
- 5) Registration Deadline: October 30 (on-site OK)



Gold Grain mosaic automated routine.