geoconvention
Calgary • Canada • May 11-13 2020
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Metamorphism and tectonics in the Omineca belt, southeastern British Columbia

Field trip leaders: D. Pattison (U. Calgary) & graduate students

Post-meeting field trip – 4 days: Thursday May 14 to Sunday May 17, 2020

An examination of Barrovian regional metamorphism, Buchan-type regional metamorphism, contact metamorphism, and core complex metamorphism, in the Omineca Belt of SE BC. The field trip goes from Calgary, AB to Grand Forks, BC, 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 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: $CAD 795
What's included: hard copy field guide; transportation in vans/ SUVs; accommodation (assuming two people per room); packed lunches; all meals except breakfast on Th May 14 and dinners on Sa May 16 and Su May 17
Departure time and location: 08:00 Thursday May 14, 2020; location TBA (near Convention Centre).
Return time and location: 20:00 ±2 hours Sunday May 17, 2020; location same as departure location.