

## Training/CPD topics, winter 2019-20

Presenter/facilitator: Bruce Jamieson

The client/host of the CPD session can select from the following topics. While the presentations have value to the participants, often the discussion triggered by a presentation will resonate with the participants.

### **Indoor topics** (times do not include discussion)

Near crust faceting and slab avalanching (updated Feb. 2019). 30 minutes

Decision aids: some pros, some cons, some discussion. 15 minutes

How risky is ski cutting (by avalanche practitioners)? 20 minutes

Heat transfers at the snow surface, 25 minutes

Overview of planning methods for avalanche projects. 40 minutes

Managing uncertainty in avalanche operations? 15 minutes

How does isolating a column in stability tests compare to ski & sled stress? 20 minutes

How do you stress the snowpack? Loading by skiers, snowmobiles, etc. 20 minutes

Climate trends and avalanching in BC. 25 minutes

Mitigating avalanche and other workplace risks to avalanche practitioners. 20 minutes

Crack propagation in human-triggering of slab avalanches and in snowpack tests. 15 minutes

Decision support for deep slab avalanches. 20 minutes

The Canadian avalanche size scale – after 33 years. 20 minutes

Release of dry natural avalanches – Concepts from fracture mechanics. 20 minutes

Solar warming of dry snow, instability and decisions. 35 minutes

Should recreationists dig or not? 20 min

Snowpack tests: Which is best when? 25 minutes

Measuring snow surface temperature: Why, why not, and how? 20 minutes (updated Nov 2017)

Caught in an avalanche – then what are the odds? 20 minutes

Feedback loops for low probability – high consequence scenarios. 10 minutes

*From 3 to 30: How many levels should a rating have? 15 minutes*

### **Outdoor topics**

Snowpack tests: ECT, PST, Deep tap

Fracture character

Combining snowpack tests to reduce digging.

Snow profile refresher.