

Bruce Jamieson

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Education

PhD, Avalanche Mechanics, 1995, Dept. of Civil Engineering, University of Calgary.

Professional affiliations

- Professional Member (retired) of [Canadian Avalanche Association](#) since 1984. President 1992-95.
- Professional Member of [American Avalanche Association](#) since 1992.
- Lifetime Member (retired) of [Association of Professional Engineers and Geoscientists of Alberta](#)

Selected awards and distinctions

- Gordon Ritchie Service Award from [Avalanche Canada](#), 2021
- Founder's Award for career contributions to avalanche risk management, [HeliCat Canada](#), 2015
- Peter Schaefer Lifetime Achievement Award from [Canadian Avalanche Association](#), 2014.
- Honorary Fellowship from [American Avalanche Association](#), 2014.
- Civil Engineering Graduation Banquet Undergraduate Teaching Award, March 2012
- Honourary Member, [Canadian Ski Patrol System](#), 2008.
- Honourary Member, [Association of Canadian Mountain Guides](#), 2006.

Experience

- Professor, Dept. of Civil Engineering, U. of Calgary until August 2015, then Professor Emeritus.
- Principal Investigator of the Applied Snow and Avalanche Research group at the University of Calgary (ASARC). Supervisor of 24 graduate students as well as field studies for snow and avalanche research over 24 winters.
- 1997-2015, consultant/reviewer on avalanche planning/engineering projects in North and South America for occupied structures (residential and backcountry), highways, resource roads, trail systems, worksites, energy corridors, structures for transmission lines and ski lifts, and mine infrastructure.
- Avalanche forecasting for ski areas or backcountry operations 1981 to 2014.
- Instructor for Canadian Avalanche Association Industry Training Program 1993 to 2020.
- Instructor of over 30 avalanche awareness courses 1983 to 1996.

Selected publications

- [*Planning Methods for Assessing and Mitigating Snow Avalanche Risk*](#) (B. Jamieson, ed., 16 authors), Canadian Avalanche Association, 2018.
- [*Technical Aspects of Snow Avalanche Risk Management*](#) (C. Campbell, S. Conger, B. Gould, P. Haegeli, B. Jamieson, G. Statham, Eds.), Canadian Avalanche Association, 2016.
- [*Avalanche Craft – Strategies for reducing risk in the backcountry*](#), with Terry Palechuk, 2021.
- Backcountry Avalanche Awareness, 1989-2018. Sales of all editions exceed 120,000.
- *Avalanche Accidents in Canada 5, 1996-2007*, Jamieson, B., P. Haegeli and D. Gauthier. 2010. Canadian Avalanche Association, Revelstoke, BC, 429 pp.
- *Avalanche Accidents in Canada: 1984-96*, Jamieson, B. and T. Geldsetzer. 1997. Canadian Avalanche Association, Revelstoke, BC, 203 pp.

Avalanche education videos

See <https://www.brucejamieson.ca/videos>