

FOREWORD

This proceedings volume contains papers presented at the 64th Eastern Snow Conference (ESC) held 29 May – 1 June 2007 at Memorial University in St. John’s, Newfoundland, Canada. Sessions covering the snow-climate interactions, snow processes, cold regions hydrometeorology, glaciers and ice sheets, and remote sensing of snow were convened. This year’s meeting was convened in conjunction with The Canadian Meteorological and Oceanographic Society, the Canadian Geophysical Union, and the American Meteorological Society. It proved a real challenge to try and catch sessions in all of the various venues of interest.

The ESC is a joint United States and Canadian forum for discussing recent work on operational, applied, and scientific issues related to snow and ice. It also retains an increasing interest as a symposium where novel approaches to cryospheric science of international significance are presented. The ESC has published an annual series of proceedings since 1952. Typical topics include studies of snow and ice as materials, snow removal, meteorological forecasting, river ice control, snow hydrology, snow chemistry, glaciology, remote sensing of snow and ice, and snow ecology. Membership in the ESC is open to all interested individuals and corporations. Additional copies of the current proceedings and all back issues can be obtained from the Secretary. Additional information about the Eastern Snow Conference may be found at: <http://www.easternsnow.org/>.

We continue with an optional review process and authors may submit extended abstracts or full papers to the Proceedings. Participants in the Western Snow Conference (WSC - <http://www.westernsnowconference.org/>) were invited to join the ESC participants in the option to submit papers relevant to winter hydrology to the international journal, *Hydrological Processes*. These papers went through a formal journal review, revision, and referee process and many appear both in these proceedings and in the December 2006 issue of the journal. John Pomeroy (University of Saskatchewan), Kelly Elder (USFS, Ft. Collins) and Andrew Klein (Texas A&M University) edited this special issue of *Hydrological Processes* dedicated to ESC/WSC papers.

We thank members of the Technical Communication Branch, Information Management Division, at the Engineering Research and Development Center, Cold Regions Research and Engineering Laboratory (ERDC-CRREL). Over the years this group has contributed considerable time to this publication and has enhanced the quality of these proceedings. We especially thank David Cate for his effort on behalf of these proceedings.

The 2006 meeting of the Eastern Snow Conference and these proceedings were made possible by sponsorship and Corporate Memberships by:

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We look forward to seeing many of you at the 65th Eastern Snow Conference meeting to be held 28 – 30 May 2008 at the Lake Morey Resort, Fairlee, Vermont, just up the road from CRREL. This year’s meeting theme is “Applied Uses of Snow and Ice Hydrology” with a special poster session highlighting “Instrumentation: Tools and Toys, Modeling and Hardware.”

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ESC Proceedings Co-Editors
Bridgewater State College and ERDC-CRREL