Snow and Ice Research Group – New Zealand

Monthly Video Seminar

The marine geophysical signature of past ice sheets: a view from the sea

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The deglaciation of high-latitude continental shelves since the Last Glacial Maximum has revealed subglacial landforms that have remained well-preserved beneath the water. Submarine glacial landforms on the Norwegian, Greenland and Antarctic continental margins provide insights into processes that have taken place beneath former ice sheets. Distinctive assemblages of landforms characterise ice stream and inter-ice stream areas. Channel systems, or the lack of them, on sedimentary outer shelves allow inferences to be made about subglacial hydrology. Evidence on ice-sheet retreat – whether by rapid collapse, episodic retreat or by the slow retreat of grounded ice - can be used to test the predictive capability of ice-sheet numerical models. These marine-geophysical observations enhance our understanding of the form and flow of past ice sheets, ice streams, and surge-type glaciers.

Wednesday, 2nd November 2011, 1pm-1:50pm

All interested are welcome to attend.

Video meetings are held every month over the Access Grid. Video rooms are sited at most universities. The locations of the video conference rooms for each campus are:

Massey: Room 4.40, Social Sciences Tower.
Auckland: Room 429, School of Geography, Geology and Environmental Science.
Canterbury: Room 164, Level 1, Geography-Psychology Building.
Otago: Teaching Facilities South West corner, Information Services Building.
Victoria: Library RB106.

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