

# **GSE AGM / CGS Cross-Canada Lecture - May 3, 2000**

TOPIC: Rapid Mass Movements: Fra Fjel Til Fjord (From the Mountains to the Sea Floor)

PRESENTATION BY: Jacques Locat, Departement de Geologie et de Genie Geologique, Universite Laval, Sainte - Foy

## **ABSTRACT:**

Rapid mass movement, including velocities up to 80 m/s, are quite common in nature and as indicated in the Norwegian title, occur in various environments. We still understand very little about how this mobility is acquired. The complex nature of rapid mass movements will be presented through a series of case histories on which we have worked over the last years. The main thrust of the presentation is to underline the physics of the phenomena which forces the scientist or the engineer to integrate concepts in rock, soil and fluid mechanics. Examples will be taken for case histories in the Alps, Canadian Rocky Mountains, Newfoundland Grand Banks, Gulf of Mexico, Saguenay Fjord, Hawaii, and the California Coast. Finally, we will discuss some aspects related to hazard and risk assessments.

Venue: Griesbach Officers Mess, Edmonton

Time :Cocktail at 5:30 p.m., Dinner at 6:30 p.m., Presentation to follow.

Date : Wednesday, May 3, 2000

Cost :GSE Members \$ 20; Students \$15, Non Members \$ 35