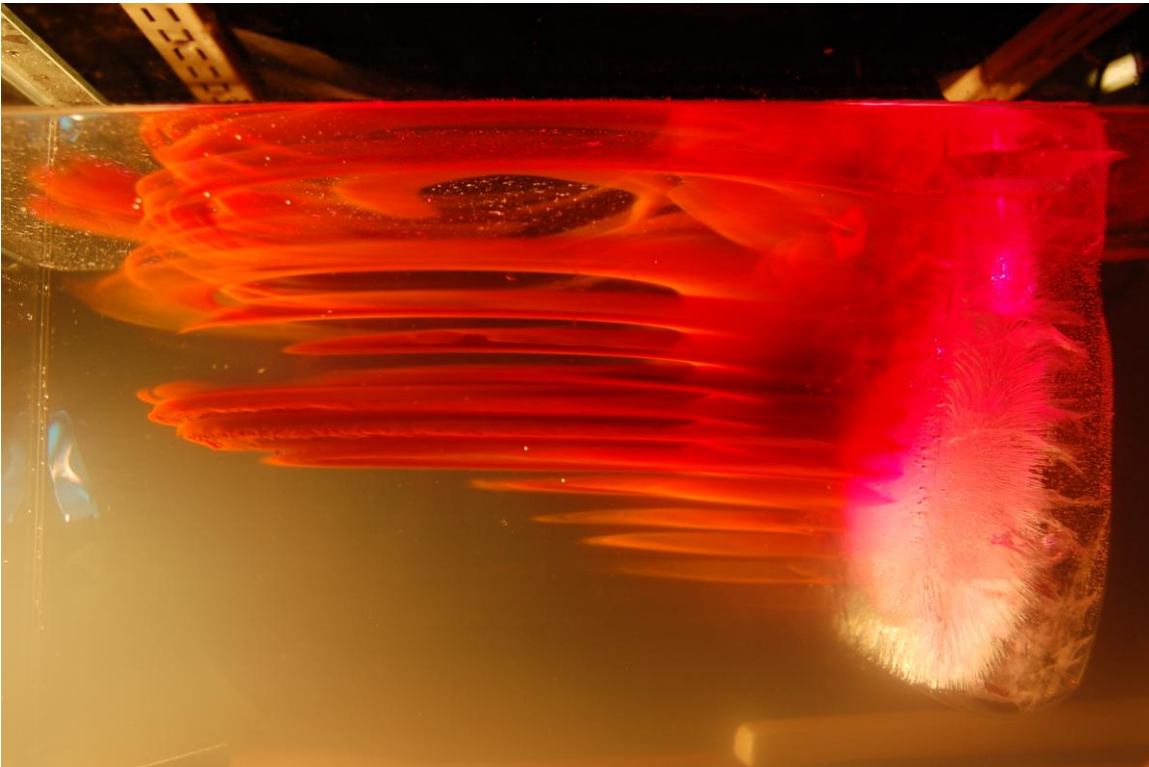


# Snow and Ice Research Group – New Zealand: Monthly video seminar

## Ocean mixing next to a glacier tongue Dr. Craig Stevens, NIWA

Mixing of ocean properties influences climate and ecosystem development. Such mixing is rarely evenly distributed but instead occurs at hot spots. Here I describe recent and upcoming work looking at the influence of glacier tongues on local ocean mixing. The observations comprise high resolution velocity measurements in conjunction with turbulence profiling using a shear microstructure profiler. From the ice's perspective, this is important for understanding melting rates and also the localised production of supercooled water, which in turn influences sea ice growth. Beyond this, there are points of relevance to ice shelf-ocean interaction.



Dye-illumination of melting ice in a stratified fluid (Image: N. Robinson)

**Tuesday, 1<sup>st</sup> June 2010, 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, Massey University, Palmerston North.

Auckland: Room 429, SGGES (The School of Geography, Geology and Environmental Science), University of Auckland, Auckland.

Canterbury: Room 164, Level 1, Geography-Psychology Building, Canterbury University, Christchurch

Otago: Teaching Facilities South West corner, Information Services Building

Victoria: Library RB106



SIRG (<http://www.sirg.org.nz/>) operates as the New Zealand branch of the International Glaciological Society.