

# **Antarctic Science Symposium 2011**

**Wednesday 27 April 2011 - Thursday 28 April 2011**

**Monona Terrace**

## **Scientific Programme**

The completion of IceCube marks a major milestone in big science. Innovations and expertise in hot-water drilling made it possible to finish the project under budget and well within the planned time for completion. A number of auxiliary instruments such as a dust logger, microinclinometers, thermistors, an in-ice camera, and standard candles served valuable roles. Building on the success of IceCube, we seek to bring together scientists from diverse disciplines and drilling experts to participate in panel discussions designed to encourage brain-storming for future research in Antarctic ice. Panel participants include researchers studying the flow of low-temperature ice, sub-glacial lakes and ice streams, searching for life in Europa's ocean, searching for million-year-old ice, and searching for dark matter. The meeting provides a unique opportunity for interdisciplinary connections and new explorations at the end of the Earth.

We have most of the speakers booked already, so if you want a talk considered, please email Ryan bay@berkeley.edu or Buford bprice@berkeley.edu before submitting an abstract. Thank you!

## **Opening Remarks**

Price, Yeck

## **Innovations in Hot-Water Drilling**

Benson, Elcheikh and Rack

## **Particle Astrophysics in Ice**

Grant, Karle, Kowalski, Maruyama

## **Subglacial Lakes**

Dachwald, Tulaczyk, Blankenship and Lipenkov

## **Logging and Remote Sensing**

Bay, Matsuoka, Severinghaus

## **Ice Cores**

Dahl-Jensen, Pattyn, Petit, Price, Mulvaney, Saltzman, White