

"Drilling into the Memory of Earth"



By Yoshiyuki Tatsumi

BSc & MS in Geology: Kyoto University
PhD in Earth Sciences: University of Tokyo.

Research area: Professor Tatsumi is a founding member of the IODP programme. He is a world leading researcher of continental crust formation at island arcs.

Tuesday 19th February at 5:15pm

Calman Learning Centre

EVERYONE WELCOME

Refreshments provided afterwards



AHGS



Durham
University

AHGS MEETS IODP

On Tuesday 19th February 2008, the AHGS and Earth Science Department of Durham University, England, were privileged to listen to a talk by Professor Yoshiyuki Tatsumi of the IODP.

The Arthur Holmes Geological Society (AHGS) is named after a famous geologist, Arthur Holmes, who was founding Professor of Geology at Durham University (1924-1943), and was one of the first geologists to suggest a causative mechanism to the plate tectonic paradigm. Even though the idea of whole mantle convection is greatly debated, it is only through exploration and further observation that new ideas and theories will emerge. The IODP lecture presented new frontiers into how ocean drilling can sample the island arc crust in order to determine how the continental crust formed during the Phanerozoic; as well as the concept of sampling back-arc upper mantle which will finally constrain whether or not mantle geochemical variation exists laterally across an arc. By continued sampling of the ocean floor, arc crust and upper mantle, it will be possible to determine just how plate tectonics works.

