

DEPARTMENT OF GEOLOGY

TRINITY COLLEGE, DUBLIN

John Joly Memorial Lecture 2008

Geological evolution of the Himalaya, Karakoram and Tibet

SPEAKER

Professor Mike Searle

(University of Oxford)

**Friday 21st November at 6.00pm
Emmet Lecture Theatre, Arts Building,
Trinity College, Dublin**

Approximately 50 million years ago the Indian plate collided with Asia and formed the Himalayan ranges along the Indian plate margin and the Karakoram ranges along the Asian plate margin. Major tectonic processes discussed will include early ophiolite obduction, folding and thrusting mechanisms, ductile extrusion of a layer of mid-crustal migmatites-leucogranites, inverted metamorphic isograds, low-angle normal faults, thermal evolution of the lower crust, and timings of uplift and exhumation.