

PROGRAM: SYMPOSIUM ON RESEARCH IN GEOSCIENCES

0845-0900	COFFEE/MUFFINS	Wake up!
0900-0905	Walter Jones (Director IGR)	Announcements and introduction by the Director of the Institute for Geophysical Research
0905-0915	Jack Macki (Director AMI)	Welcoming remarks by the Director of Applied Mathematics Institute
0915-0930	James Wanliss John Samson Erena Friedrich	Using photometer data to map the magnetosphere
0930-0945	Peter Dobias John Samson	A new approach to MDH instabilities in the near earth plasma sheet
0945-1000	Peter Damiano Rick Sydora John Samson	Parallel electric fields within geomagnetic field line resonances: A hybrid MHD-kinetic approach
1000-1015	Henning Kuehl	Reconstructive seismic imaging of incomplete data
1015-1030	Youcef Bouzidi	Laboratory calibration of amplitude variation with angle using an acoustic goniometer
1030-1045	HEALTH BREAK	Well deserved!
1045-1115	R. Kellett (invited speaker)	Geophysics and groundwater: from exploration to resource management
1115-1130	Carrie Youzwishen Mauricio Sacchi	An edge-preserving regularization algorithm for 2D acoustic profile reconstruction
1130-1145	Kristen Beaty	A study of near-surface seasonal variability using Rayleigh wave dispersion
1145-1200	Yinbin Liu Doug Schmitt	Quantitative analysis of thin layer effects: the equivalent medium, SV-wave degeneracy and the transition from ray-theoretical to effective medium
1200-1215	Marko Mah	Determination of the complete elastic stiffnesses from Ultrasonic phase velocity measurements
1215-1230	Pavlo Cholach	Calculating elastic properties of anisotropic rocks by using ODF
1230-1245	Ulrich Theune	Reservoir geophysics /seismic monitoring - what are the limiting cases?
1245-1300	Shahryar Shareef	Laser speckle interferometry: a robust method for deformation analysis in elastic media
1300-1345	LUNCH BREAK	Pizza and fruit
1345-1415	Gus Fanning (invited speaker)	On the importance of the ocean's role in climate: Past, present, and future
1415-1430	Matt Reszka Gordon Swaters	Baroclinic instability of benthic currents in a continuously stratified ocean
1430-1445	Kathleen Dohan B.Sutherland	Excitation of large-amplitude internal waves from a turbulent mixing region
1445-1500	Paul Choboter Gordon Swaters	Modelling the dynamics of abyssal equator-crossing currents
1500-1515	HEALTH BREAK	Before the final stretch!
1515-1545	Geoff Strong (invited speaker)	The Mackenzie GEWEX Study (MAGS)
1545-1600	Sarah Boon Martin Sharp	Surface hydrology of an Arctic glacier
1600-1615	Luke Copeland	Mapping hydrological conditions beneath a polythermal glacier using radio-echo sounding
1615-1630	Flora Paganelli	Reflectance and gamma-ray spectroscopy of carbonate rocks, Moose Mountain, Alberta
1630-1645	Rick Chalaturnyk	The geoscience challenges for the geological sequestration of greenhouse gases

Session chairs: Mauricio Sacchi (0900-1030), Bruce Sutherland (1345-1500)
Gerhard Reuter (1045-1300, 1515-1645)