# ALLIED GEOPHYSICAL LAB (AGL)

## AGENDA

**Research Presentations & New Directions Meeting**  
**April 28th, 2010  8:30am – 4:30pm**  
**University Hilton Hotel   Plaza Room (Rm. 247)**

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<tr>
<th>Time</th>
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<td>8:30am – 9:00am</td>
<td><strong>REGISTRATION</strong></td>
<td>Continental Breakfast</td>
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| 9:00am – 10:30am | **Session I**         | Welcome and Introduction (What's new?)  
Drs. John Casey, Department Chair and Rob Stewart, AGL Director  
Scaled seismic modeling: Time-lapse, 3D, and VSP  
Dr. Bob Wiley  
Advances in laboratory rock physics  
Dr. De-hua Han  
Quantifying seismic reflectivity  
Dr. Fred Hilterman |
| 10:30am – 10:40am | **Break, Discussion, & Posters** |  |
| 10:40am – noon      | **Session II**        | Beyond Gassmann’s equations for fluid substitution  
Dr. John Castagna  
Resolving highly dipping strata in the Bearstooth Mtns., Montana  
Ms. Tania Mukherjee  
Ground-roll inversion for Vs and shear statics  
Mr. Soumya Roy  
Direct imaging of group velocity curves in shallow water  
Dr. Chris Liner, AGL Associate Director |
| 12:00pm – 1:00pm   | **LUNCH**             | (box lunch will be provided)                                                              |
| 1:00pm – 2:20pm    | **Session III**       | Mr. Bode Omoboya  
Imaging fracture swarms  
Seismic spectroscopy for permeability prediction  
Dr. Gennady Goloshubin  
Microseismic analysis and multi-scales  
Dr. Evgeni Chesnokov  
Spectral decomposition using modified µ-wavelets  
Mr. Dip Nanda |
| 2:20pm – 2:30pm    | **Break, Discussion, & Posters** |  |
| 2:30pm – 4:30pm    | **Session IV**        | Advances in seismic anisotropy  
Dr. Leon Thomsen  
Time-lapse, elastic-wave imaging for heavy oil reservoirs  
Mr. Ayato Kato |
Flow simulation to 4D seismic
Mr. Jintan Li

Oil exploration in a prospective but hazardous basin, L. Kivu, Rwanda
Dr. Rob Stewart

Group Discussion, Participants’ Research Interest - Wrap Up

4:30pm – 6:00pm  Reception: Posters & Pinot!

ANNUAL MILTON DOBRIN LECTURE
sponsored by the UH Department of Earth and Atmospheric Sciences

April 28, 2010
University Hilton Hotel – Shamrock Ballroom
4:30PM – Social hour
6:00PM - Lecture

presenting

Dr. Brian Russell
(former SEG President, co-founder Hampson-Russell Software-CGGVeritas)

Making sense of all that AVO and inversion stuff