

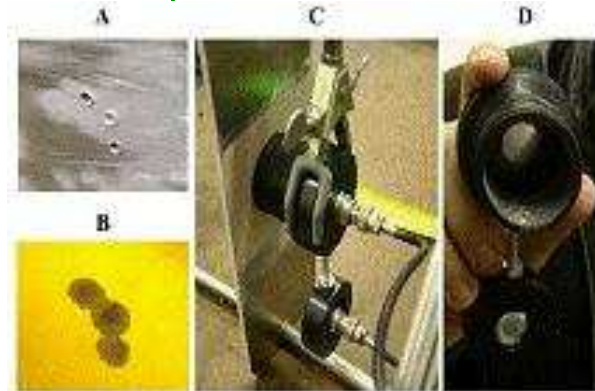


Department of Physics - University of South Alabama
Presents Colloquium Speaker



Dr. Andy Hollerman
University of Louisiana at Lafayette

Thursday, November 15, 2007
4:00 p.m., ILB Room 250



REVIEW OF TRIBOLUMINESCENCE RESEARCH

Luminescence induced by mechanical stress is called mechanoluminescence (ML) or triboluminescence (TL). TL is a commonly encountered phenomenon, with approximately 50% of known crystals exhibiting such tendencies. The most commonly known example of a TL material is Wint-O-Green Lifesavers. If stressed, a triboluminescent crystal produces local regions with charge imbalances. Several mechanisms may then occur to produce light. It is possible for the charge imbalance to be sufficient to cause a dielectric breakdown of the surrounding gas, producing light.

All interested persons are invited to attend.
Refreshments are served at 3:45 p.m.

Host: **Dr. R. Godang**