



SACRAMENTO STATE

Department of Physics & Astronomy Spring 2008

Physics Colloquium Series

“Fiber Optics in Modern Technology”

As measurement precision improves, the reduction of noise becomes a necessity. There are many ways available for the use of noise reduction. In this particular situation fiber optics will be tested as a solution. The application for this project is in the noise reduction of the signal acquisition of a mobile magnetic resonance imaging device as used by archaeological survey teams and the US Geological Survey with possible future applications for the US Department of Defense. Using LabView software, this project compares the noise contamination in the signal transferred along fiber optic cables verses traditional solid state wires.

Alexander I. Clontz

Sac State Physics Major, Student Talk

Thursday, May 15, 2008

4:20-5:30 PM MND 1015

Open & Free to all Students, Faculty & Public