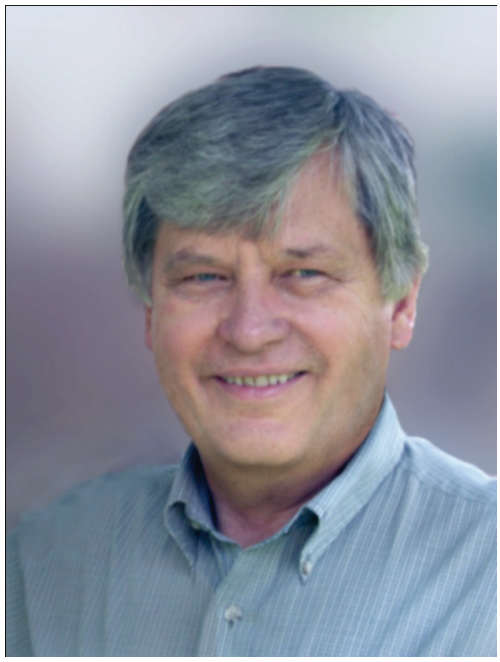
The Baylor University Department of Physics and the
American Physical Society Distinguished Traveling Lecturers Program
of the Division of Laser Science present…

Quantum Weirdness:

Technology of the future?



…a PUBLIC LECTURE by…

Carlos Stroud

Professor of Optics and Professor of Physics
Director of the Center for Quantum Information
University of Rochester

This will be a popular lecture requiring no background in physics or mathematics, just a curiosity about the weirdest part of modern science and how that "weirdness" may lead to computers enormously more powerful than any that will ever be built with current technology, communications that are so secure that they are impossible to intercept, a form of teleportation in which the state of a system can be sent instantaneously to a remote site, and other fantastic technologies that we currently just dream about. Perhaps a quantum device in every pocket. We will see how all of these possibilities derive from three easily understood, but very weird features of quantum physics.

Tuesday, April 12, 5:30 pm
Baylor Sciences Building, B.110

(No prior quantum mechanics knowledge is necessary!)

Baylor University PHYSICS

For more information contact:
Dr. Linda Olafsen, 710-2541