



# Anson L. Clark *Memorial Lecture Series*

*Featuring*

**Dr. Anthony J. Leggett**



**Recipient of the Nobel Prize in Physics 2003 for “pioneering contributions to the theory of superconductors and superfluids” and the John D. and Catherine T. MacArthur Chair of Physics at the University of Illinois**

## **Testing The Limits of Quantum Mechanics: Motivation, State of Play, Prospects**

An exploration of the motivation for experiments which attempt to generate and verify the existence of quantum superpositions of two or more states which are by some reasonable criterion “macroscopically” distinct and show that various a priori objections to this program made in the literature are flawed. There will be a review of the extent to which such experiments currently exist in the areas of free-space molecular diffraction, magnetic biomolecules, quantum optics and Josephson devices, and sketch possible future lines of development of the program.

*A colloquium-style talk designed primarily for audiences with some pre-existing interest in the foundations of QM*

**Friday, March 30, 2007**  
**10:00 – 11:30 AM**  
**School of Management**  
**Davidson Auditorium**  
**SOM 1.118**

For more information, contact Diana Wilson-Willis  
at **972-883-4153** or at **diana.willis@utdallas.edu**  
or visit **www.utdallas.edu/nsm/news**

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