

# ROBERT D. MAURER LECTURE SERIES

## 2003

**Public Lecture**  
**Status Report on Project: "How**  
**Does the Universe Work?"**  
**Giffels Auditorium**  
**Old Main**  
**7:30 PM**  
**Thursday, March 13, 2003**  
**Followed by a reception**



**The science of particle physics explores the "inner space" of atoms, nuclei, quarks and neutrinos. The science of astrophysics explores the "outer space" of galaxies, quasars, black holes and dark energy. An amalgam of both subjects is allied to answer the single question: How Does the Universe Work?**

Leon Lederman, internationally renowned specialist in high-energy physics, is director emeritus of Fermi National Accelerator Laboratory in Batavia, Illinois. Since 1998, he holds the position of Resident Scholar at the Illinois Mathematics and Science Academy and since 1993, Pritzker Professor of Science at the Illinois Institute of Technology in Chicago. Lederman is a member of the National Academy of Sciences and has received numerous awards, including the National Medal of Science (1965), and the Nobel Prize in Physics (1988).

Lederman has worked tirelessly to improve science education. He was instrumental in founding the Illinois Mathematics and Science Academy (IMSA), a residential high school for the gifted, and the Teachers Academy for Math and Science (TAMS), which provides professional development for primary school teachers in Chicago. The "hands-on" pedagogue has been applied in France, Brazil, China and Malaysia. He has been an outspoken advocate for new approaches to secondary science that emphasize a coherent three-year science curriculum beginning with physics.

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Sponsored by the University of Arkansas Physics Department, Fulbright College of Arts and Sciences, and the Arkansas Space Grant Consortium

For more information about this event, contact the Physics Department at 479 575-2506