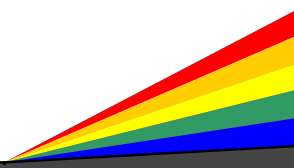


APS COLLOQUIUM SERIES



SPEAKER: Thomas D. Rossing
Northern Illinois University

Thomas D. Rossing has been Professor of Physics at Northern Illinois University in DeKalb, Illinois since 1971. He was affiliated with Argonne as Scientist-in-Residence from 1974 to 1976 and again from 1990 to 1998. Professor Rossing is the author of about 350 publications (including 13 books, 9 U.S. patents, and 11 foreign patents), mainly in acoustics, magnetism, and physics education. His book, *The Physics of Musical Instruments*, is a standard reference text on the physics of musical instruments. Professor Rossing is a fellow of the Acoustical Society of American and the AAAS.

TITLE: Physics of Musical Instruments

Understanding the physics of musical instruments is important to instrument makers, performers, and serious listeners. Thus we study the way in which instruments vibrate and radiate sound. We will discuss several methods for modal analysis of vibrations, including holographic interferometry, and applications to several string and percussion instruments.

DATE: Wednesday, February 2, 2000

TIME: 4:15 p.m.

LOCATION: 402 Auditorium