UNIVERSITY OF ARKANSAS
J. WILLIAM FULBRIGHT COLLEGE OF ARTS & SCIENCES

Sponsored by the Physics Department

Robert D. Maurer Distinguished Lecture Series 2014

50 Years of Lasers

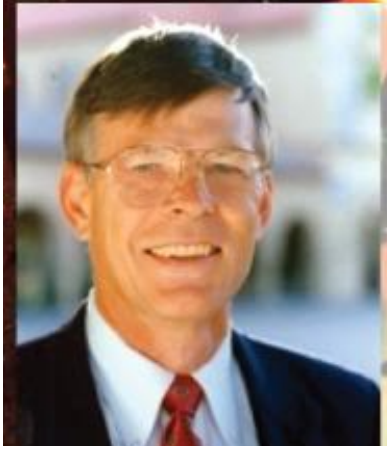
MEETING THE CHALLENGES OF THE 21ST CENTURY

In the fifty years since the demonstration of the laser, coherent light has changed the way we work, communicate and play. The generation and control of light is critical for meeting important challenges of the 21st century from fundamental science to the generation of energy.

A look back at the early days of the laser will be contrasted to the recent breakthroughs in lasers with applications from the fundamental science to manufacturing and to laser fusion for energy production.

Ozark Hall Auditorium
7:30 PM - 9:00 PM
Thursday, April 17, 2014

Free and open to the public
Reception after lecture



Robert L. Byer

Robert L. Byer has served as President of the American Physical Society, the Optical Society of America, and the IEEE LEOS. He also served as Vice Provost and Dean of Research at Stanford, where he has been Chair of the Department of Applied Physics, Director of the Edward L. Ginzton Laboratory and Director of the Hansen Experimental Physics Laboratory. He is a founding member of the California Council on Science and Technology and served as Chair from 1995-1999. He was a member of the Air Force Scientific Advisory Board from 2002-2006 and has been a member of the National Ignition Facility since 2000.

Professor Byer has conducted research and taught classes in lasers and nonlinear optics at Stanford University since 1969. He has made extraordinary contributions to laser science and technology including the demonstration of the first tunable visible parametric oscillator, the development of the Q-switched unstable resonator Nd:YAG laser, remote sensing using tunable infrared sources, and precision spectroscopy using Coherent Anti-Stokes Raman Scattering (CARS). Current research includes precision