

Prof. Robert Byer
Stanford University



EDUCATION

Stanford University

Ph.D., Applied Physics, 1969

M.S., Applied Physics, 1967

University of California, Berkeley

B.A., Physics, 1964

WORK EXPERIENCE

Stanford University, 1969 to Present

Chairman, Department of Applied Physics, 1999 to 2002

Director, Hansen Experimental Physics Laboratory, 1997-Present

Co-Director, Stanford Photonics Research Center, 1992-Present

Vice Provost and Dean of Research, 1987-1992

Associate Dean, Humanities and Sciences, 1984-1986

Chair, Department of Applied Physics, 1980-1983

Professor, Applied Physics, 1979-Present

Assistant Professor, Applied Physics, 1969 – 1974

Associate Professor, Applied Physics, 1974 - 1979

Spectra Physics, 1964-1965

AREAS OF EXPERTISE

Laser diode pumped solid state lasers, nonlinear optics, nonlinear materials, optical parametric oscillators, Coherent Anti-Stokes Raman Spectroscopy (CARS), laser remote sensing, laser interferometers for gravitational wave detection, laser driven electron particle acceleration.

PROFESSIONAL/SCIENTIFIC/HONORARY AFFILIATIONS

IEEE Third Millennium Medal; A.L. Schawlow Award; R.W. Wood Prize; Quantum Electronics Award; Quantum Electronics Awards; R.V. Pole Memorial Lecture; Adolph Lomb Medal; I.B.M. Fellow; Fellow, American Academy for the Advancement of Science; Fellow, American Physical Society; Fellow (and Former President), Lasers and Electro-Optics Society of the IEEE; Fellow, Laser Institute of America; Fellow (and Former President), Optical Society of America; Member, Secretary of Energy Advisory Board, National Ignition Facility; Member NRC Board of assessment of NIST; Member and Former Chair, California Council on Science and Technology, Member, National Academy of Science; Member, National Academy of Engineering.