

**CHARLES V. SHANK** served as Director of the E.O. Lawrence Berkeley National Laboratory from 1989 until his retirement in 2004. He received his PhD in electrical engineering from the University of California at Berkeley in 1969, after which he spent 20 years at Bell Laboratories, as both a researcher and director. His research at Bell Labs introduced the use of short laser pulses to the study of ultrafast events, allowing researchers to gain a better understanding of how energy is stored and transferred within materials. During his 15-year leadership of Lawrence Berkeley Lab, it emerged as a leader in the field of supercomputing and joined with two other national labs to form the Joint Genome Institute, a major contributor to the decoding of the human genome. While LBL Director, Shank also had a triple appointment as professor at the University of California at Berkeley in the Department of Physics, Department of Chemistry, and Department of Electrical Engineering and Computer Sciences. He has since severed all his ties to the University of California. Dr. Shank is now a Senior Fellow at the Howard Hughes Medical Institute's Janelia Farm Research Campus. In addition to his election to the NAS and NAE, Dr. Shank has received the R.W. Wood Prize of the Optical Society of America, the David Sarnoff and Morris E. Leeds awards of the IEEE, the George E. Pake Prize and the Arthur L. Schawlow Prize of the American Physical Society, and the Edgerton Award of the International Society for Optical Engineering. He has served on a number of NRC boards and committees and chaired one study, a decadal survey of optical science and engineering. Dr. Shank currently serves as chair of the Science Advisory Board for Sandia National Laboratories.