Raj Reddy is one of the world's leading experts on robotics and artificial intelligence. The director from 1979 to 1992 of the Robotics Institute at Carnegie Mellon University in Pittsburgh, Pennsylvania. His interest in civil engineering led him to study at the University of Madras College of Engineering, where he received his bachelor's degree in 1958. Soon after finishing his undergraduate work in India, Reddy moved to Australia. While in Australia, Reddy worked as an applied science representative for the International Business Machines Corporation (IBM) in Sydney. His primary job used computers for structural analysis. During his post-baccalaureate education his interest and course of study changed from the civil to the computer engineering disciplines. Reddy moved to the United States in 1963 and received his doctorate from Stanford in 1966. He joined the faculty of Stanford University as an assistant professor of computer science. In 1969 he moved to Pittsburgh and joined the Computer Science Department of Carnegie Mellon University. It was here that Reddy began his study of the rapidly expanding fields of robotics and artificial intelligence. He was named director of the Robotics Institute in 1979. Reddy has focused on two areas within the field of robotics: automatons capable of performing manufacturing and assembly-line tasks, and fully autonomous vehicles for land, sea and air operations. Aiming to make this goal a reality, Reddy developed an interdisciplinary program at the Institute that trains students in mechanical engineering, computer science, and management in order to give them the background they need to design the complex robotics manufacturing systems of the future. Reddy remains at the forefront of studies in human-computer interaction. Reddy was presented the Legion of Honor by President Mitterrand of France in 1984 for his service at the World Center for Personal Computation and Human Resources in Paris. He is a member of the National Academy of Engineering, and a fellow of the Institute of Electrical and Electronics Engineers, the Acoustical Society of America, and the American Association for Artificial Intelligence, which he also served as president from 1987 to 1989.