

## **The Honorands of The 2002 Commencement**

### **Edward J. McCluskey '51 Doctor of Science**

Edward J. McCluskey '51 is professor of electrical engineering and computer science and director of the Center for Reliable Computing at Stanford University. He worked on electronic switching systems at Bell Labs from 1955 to 1959, then was named professor of electrical engineering and director of the University Computer Center at Princeton University. He moved to Stanford in 1966 and founded the Stanford Digital Systems Laboratory, the Stanford computer engineering program, and the Stanford Computer Forum.

Dr. McCluskey earned his A.B. from Bowdoin and B.S. and M.S. from MIT in 1953, and his Sc.D. from MIT in 1956. As a doctoral student at MIT, he developed the first algorithm for designing combination circuits, the Quine-McCluskey logic minimization procedure. At Bell Labs and Princeton, he developed the modern theory of transients (hazards) in logic networks and formulated the concept of operating modes of sequential circuits. His Stanford research focuses on logic testing, synthesis, design for testability, and fault-tolerant computing.

Dr. McCluskey served as the first president of the IEEE Computer Society, and is the recipient of the 1996 IEEE Emanuel R. Piore Award.