Chuck Farrar has 22 years experience as a technical staff member, project leader, and team leader at Los Alamos National Laboratory. He is currently the director of The Engineering Institute at Los Alamos National Laboratory. While at Los Alamos, he earned a Ph. D. in civil engineering from the University of New Mexico in 1988. The first ten years of his career at LANL focused on performing experimental and analytical structural dynamics studies for a wide variety of systems including nuclear power plant structures subject to seismic loading, and weapons components subject to various portions of their stockpile-to-target loading environments. Currently, his research interests focus on developing integrated hardware and software solutions to structural health monitoring problems and the development of damage prognosis technology. The results of this research have been documented in 50 refereed journal articles, 14 book chapters, more than 100 conference papers, 31 Los Alamos Reports and numerous keynote lectures at international conferences. In 2000 he founded the Los Alamos Dynamics Summer School. His work has recently been recognized at Los Alamos through his reception of the inaugural Los Alamos Fellows Prize for Technical Leadership and by the Structural Health Monitoring community through the reception of the inaugural Lifetime Achievement Award in Structural Health Monitoring. He is currently working jointly with engineering faculty at University of California, San Diego to develop the Los Alamos/UCSD Engineering Institute and Education Initiative with a research focus on Damage Prognosis. This initiative is also developing a formal, degree-granting educational program in the closely related areas of validated simulations and structural health monitoring. Additional professional activities include current appointments to associate editor positions for the *Int. Journal of Structural Health Monitoring* and *Earthquake Engineering and Structural Dynamics*, and the development of a short course entitled *Structural Health Monitoring: A Statistical Pattern Recognition Approach* that has been offered more than 12 times to industry and government agencies in Asia, Australia, Europe and the U.S.