

CHUCK FARRAR Elected as a Fellow of the ASME

Chuck Farrar, the director of the Engineering Institute has been recently elected a Fellow of ASME, a prestigious distinction recognizing him for his many career contributions to the engineering field. The ASME is an international membership organization of the American Society of Mechanical Engineers International. Fellow Grade is the highest elected grade of membership within ASME, the attainment of which recognizes exceptional engineering achievements and contributions to the engineering profession. Fewer than 2 percent of ASME's 130,000 members are named Fellows.



Chuck has 23 years experience as a technical staff member, project leader, and team leader at Los Alamos National Laboratory (LANL). Chuck is internationally recognized for his sustained and outstanding scientific achievements in structural health monitoring (SHM) and damage prognosis. He has pioneered in this field by proposing the concepts of statistical pattern recognition paradigms for SHM, recognizing environmental variability in SHM applications, developing integrated hardware and software solutions for SHM problems, and introducing the damage prognosis concept to extend the SHM practice. The results of his research have been documented in over 300 refereed journal articles, book chapters, conference papers, and LANL Reports. Chuck has also been very active in education of structural dynamics. In 2000, he founded and has since been managing the Los Alamos Dynamics Summer School, an 8-week program that trains undergraduate/graduate students in all aspects of structural Dynamics. He also found a LANL/UCSD Engineering Institute that offers a formal graduate program in the area of Damage prognosis and validated simulations. His work has been recognized at LANL 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 *Lifetime Achievement Award in Structural Health Monitoring*. Chuck has been invited to numerous keynote lectures at international conferences, and has served editorial boards for several international journals.