

Professor Robert L. Taylor

Robert L. Taylor received his formal academic training at the University of California, Berkeley, (UCB). After completion of his doctoral studies in 1963 he was appointed to the faculty of the Department of Civil Engineering and Environmental at UCB where he remained until retiring from full time service in 1994. Since retirement he has held positions as Professor in the Graduate School at UCB, Consulting Professor of Applied Mechanics at Stanford University, Visiting Professor at the International Center for Numerical Methods in Engineering at Universitat Politècnica de Catalunya in Barcelona Spain, and Corporate Fellow at Dassault Systèmes Simulia Corporation in Providence, Rhode Island.

Professor Taylor has more than forty years experience in applications of the finite element method. More than 300 publications have resulted from this work – many of which are incorporated into the three volume reference book on the finite element method co-authored with Professor O.C. Zienkiewicz. He has also written several computer programs for finite element analysis of structural and non-structural systems – one of which, FEAP, is used worldwide in education and research environments to address inelastic and finite deformation problems.

In 1991 Professor Taylor was elected to membership in the U.S. National Academy of Engineering in recognition of his educational and research contributions to the field of computational mechanics. He was named as the T.Y. and Margaret Lin Professor of Engineering endowed chair at UCB in 1992. In 1994, he received the Berkeley Citation, the highest honor awarded by the University of California, Berkeley, and in 2003 he was honored with the Distinguished Engineering Alumni Award of the College of Engineering for his nearly 50 years of service at UCB. In 1997, Professor Taylor was elected a Fellow in USACM and in 1998, named a Fellow in IACM. He was awarded the USACM John von Neumann Medal in 1999 and the IACM Gauss-Newton Congress Medal in 2001.