



**Professor Emeritus Ray W. Clough**

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[http://en.wikipedia.org/wiki/Ray W. Clough](http://en.wikipedia.org/wiki/Ray_W._Clough)

Ray William Clough, (born July 23, 1920 in Seattle), was Byron L. and Elvira E. Nishkian Professor of Structural Engineering in the department of Civil Engineering at the University of California, Berkeley and one of the founders of the Finite Element Method (FEM). His article in 1956 was one of the first applications of this computational method. He coined the term “finite elements” in an article in 1960.

Fall, 2008 Dr. Ray Clough was recognized as a “Legend of Earthquake Engineering” at the World Conference of Earthquake Engineering in China. Dr. Clough is renowned for his pioneering work in the field of earthquake engineering, and credited with the development and application of a mathematical method, finite element analysis, that has revolutionized numerical modeling of the physical world. Dr. Clough extended the method to enable dynamic analysis of complex structures and co-authored the definitive text on structural dynamics. Three decades later, this text is still in wide use. He also transformed the field through the development of fundamental theories, computational techniques, and experimental methods. Dr. Clough’s accomplishments are not, however, limited to engineering research. During his almost 40 years at Berkeley he taught, advised, and mentored numerous students, providing them the education, inspiration, and opportunities needed to make their own significant contributions.

Dr. Clough is professor emeritus of civil and environmental engineering at the University of California, Berkeley. He is credited with developing the Earthquake Engineering Research Center at Berkeley, a hub for analytical engineering research, information resources, and public service programs. Dr. Clough's many honors include the Prince Philip Medal from the Royal Academy of Engineering in London. He is a member of the National Academy of Sciences, the National Academy of Engineering, the Royal Norwegian Scientists Society, and the Chinese Academy of Engineering. In 1994, President Clinton presented Clough with a National Medal of Science and in 2006 he received the Benjamin Franklin Medal in Civil Engineering from The Franklin Institute.

Ray Clough resides in Bend, Oregon with his wife Shirley. He has two daughters, a son, five grandchildren and has one great-grandchild.

**Tribute to Ray Clough on his receiving the award: "Distinguished Achievement in Academia" from the College of Engineering, University of Washington in 2009:**

Website:

<http://www.engr.washington.edu/alumcomm/diamond/2009honorees.html>

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