

BIO:

Professor Ortiz received a BS degree in Civil Engineering from the Polytechnic University of Madrid, Spain, and MS and Ph.D. degrees in Civil Engineering from the University of California at Berkeley. From 1984-1995 he held a faculty position in the Division of Engineering of Brown University, where he carried out research activities in the fields of mechanics of materials and computational solid mechanics. In 1995 he became Professor of Aeronautics at the California Institute of Technology where he is Frank and Ora Lee Marble Professor Emeritus of Aeronautics and Mechanical Engineering since his retirement from teaching duty in August of 2020. He has also been Adjunct Professor and Distinguished Timoshenko Fellow in Mechanical Engineering at Stanford University, has held a Bonn Research Chair in the Institute for Applied Mathematics of Bonn University, Germany, both till 2024, and currently holds the UNESCO Chair of Computational Methods in Engineering at the Polytechnic University of Barcelona. Professor Ortiz is the recipient of honorary doctorates from the Polytechnic University of Madrid and the University of Glasgow. He is a Fellow of the US Association for Computational Mechanics, corresponding Member of the Spanish Academy of Engineering, elected Fellow of the American Academy of Arts & Sciences, elected Member of the US National Academy of Engineering and in 2018 was inducted to the University of California, Berkeley, CEE Academy of Distinguished Alumni.

Professor Ortiz is the recipient of the 2002 International Computational Mechanics Award of the International Association of Computational Mechanics (IACM), the 2007 Ted Belytschko Medal of the US Association of Computational Mechanics (USACM), the inaugural 2008 Rodney Hill Prize conferred every four years by the International Union for Theoretical and Applied Mechanics (IUTAM), the 2011 Zienkiewicz Prize of the Spanish Association for Numerical Methods in Engineering (SEMNI), the 2015 Timoshenko Medal of the American Society of Mechanical Engineers (ASME), the 2019 John von Neumann Medal of the USACM, and the 2025 Ericksen Medal of the US Society for Industrial and Applied Mathematics (SIAM).