

Professor Bernard Amadei

Biographical Sketch

Bernard Amadei is Professor of Civil Engineering at the University of Colorado at Boulder. He obtained his MaSc. degree in Civil Engineering in 1979 from the University of Toronto and his Ph.D. degree in Civil Engineering in 1982 from the University of California, Berkeley.

Prof. Amadei's current interests cover the topics of sustainability and international development. At the University of Colorado at Boulder, he is leading a new paradigm shift in engineering education and practice called Earth Systems Engineering (ESE: <http://ese.colorado.edu>). It emphasizes the interaction between the built environment and natural systems. As part of the ESE initiative, Prof. Amadei directs a new program in Engineering for Developing Communities (www.edc-cu.org). Its overall mission is to educate globally responsible engineering students and professionals who can offer sustainable and appropriate solutions to the endemic problems faced by developing communities worldwide.

Prof. Amadei is also the Founding President of Engineers Without Borders - USA (www.ewb-usa.org) and the co-founder of the Engineers Without Borders-International network (www.ewb-international.org). The mission of EWB-USA is to partner with disadvantaged communities to improve their quality of life through implementation of sustainable engineering projects, while involving and training internationally responsible engineering professionals and students.

Prof. Amadei is the recipient of the 2002 Colorado Bank One Award for outstanding outreach community service, a 2003 CU Boulder Subaru Award; a 2003 E-Achievement Award from E-Town; the 2005 Nayudamma Award from the Nayudamma Center for Development Alternatives in Nellore, India; the 2005 AAES Norm Augustine Award; a 2005 Service Award for Professional Excellence from Rotary International; the 2005 Hassib J. Sabbagh Award for Excellence in Engineering Construction (with EWB-USA) from the World Federation of Engineering Organizations; the 2006 General Palmer Award from the American Council of Engineering Companies of Colorado; and the 2006 Ralph Coats Roe Medal from the American Society of Mechanical Engineers. He is working on a new book entitled "Engineering With Soul".