

Bernard Amadei

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Summary

Dr. Amadei is Professor of Civil Engineering at the University of Colorado at Boulder. He received his PhD in 1982 from the University of California at Berkeley. Dr. Amadei is the Faculty Director of the Mortenson Center in Engineering for Developing Communities at CU Boulder and holds the Mortenson Endowed Chair in Global Engineering. He is also the Founding President of Engineers Without Borders - USA and the co-founder of the Engineers Without Borders-International network. Among other distinctions, Dr. Amadei is the 2007 co-recipient of the Heinz Award for the Environment; the recipient of the 2008 ENR Award of Excellence; an elected member of the U.S. National Academy of Engineering; and an Ashoka-Knight Fellow. He holds three Honorary Doctoral Degrees.

Biographical Sketch

Bernard Amadei is Professor of Civil Engineering at the University of Colorado at Boulder. His main research and teaching interests have initially been in geomechanics and geological engineering. 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. He is a Member of the U.S. National Academy of Engineering.

Prof. Amadei has been extremely active in publishing papers in both scientific journals and professional meetings. He has co-authored two books and approximately 160 technical papers. His research at the University of Colorado has been multidisciplinary. He has also provided consulting services to various engineering companies and organizations around the world.

Prof. Amadei's current interests cover the topics of sustainability and global development. At the University of Colorado at Boulder, Prof. Amadei directs the Mortenson Center 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 co-founder of Engineers Without Borders-International (www.ewb-international.org).

Honors and Awards

- 2002 Colorado Bank One Award for outstanding outreach community service;
- 2003 E-Achievement Award from E-Town;
- 2005 Nayudamma Award from the Nayudamma Center for Development Alternatives in Nellore, India;
- 2005 AAES Norm Augustine Award;
- 2005 Service Award for Professional Excellence from Rotary International;
- 2005 Hassib J. Sabbagh Award for Excellence in Engineering Construction (with EWB-USA) from the World Federation of Engineering Organizations;
- 2006 General Palmer Award from the American Council of Engineering Companies of Colorado;
- 2006 Ralph Coats Roe Medal from the American Society of Mechanical Engineers;
- 2007 Hoover Medal from ASCE, ASME, IEEE, AIME, and AIChE;

- 2007 Heinz Foundation Award for the Environment (co-recipient);
 - 2008 Drexel University College of Engineering's Engineer of the Year;
 - 2008 Maurice L. Albertson Medal in Sustainable Development from Village Earth;
 - 2008 International Human Rights Award, United Nations Association, Boulder County Chapter;
 - 2008 Golden Vector Award of the Pan American Federation of Engineering Associations (UPADI);
 - 2008 Member of the National Academy of Engineering;
 - 2008 Engineering News Record Award of Excellence;
 - 2009 Jean Mayer Global Citizenship Award, Center for Global Leadership, Tufts University.
 - 2009 Distinguished Member of the American Society of Civil Engineers
 - 2009 Doctor of Human Letters (honoris causa), UMass, Lowell
 - 2009 National Ground Water Association Honoray Member Award
 - 2009 Ashoka-Knight Fellow
 - 2010 Doctor of Human Letters (honoris causa), Carroll College, Helena, MT
 - 2011 Honorary Doctor of Science, Clarkson University
- Prof. Amadei's work has been featured on National Public Radio, PBS NewsHour, TeDx, and TIME (US). Prof. Amadei is working on a new book entitled "Engineering With Soul".

Selected Interviews and Articles

- Rocky Mountain News [article](#), a short [video](#), and [slide show](#) (2007) about Nepal project
- [Earth and Sky Audio](#) (September 20, 2007)
- [NPR, Colorado Matters Interview](#) (Oct. 1, 2007)
- [Heinz Award Acceptance Speech and Video](#) (October 22, 2007)
- TIME Magazine (The Power of One): [Blueprint Brigade](#) (December 10, 2007)
- PBS On-Line NewsHour (PBS): [Engineers Take Expertise Overseas](#) (December 7, 2007)
- Seattle Times: [Engineers as Force for Change](#) (March 31, 2008)
- Tufts Journal: [Engineering for Humanity](#) (November 19, 2008)
- Kansas State Collegian: [Professor Details Engineering Service](#) (November 11, 2008)
- Daily Camera, [For the World's Poor: Think Big](#) (January 4, 2009)
- The Research Channel, [Engineers Without Borders: Engineering with Soul](#), (July 2008)
- [PBS/KBDI Colorado Commitment](#): A documentary on global health and sustainability (2008)
- [Utah Pulse.com Video Interview](#) (February 9, 2009)
- [ENR Award of Excellence Article](#) (March 2009)
- [Engineers Go Global](#) (March 2009)
- [ENR Award of Excellence Videos](#) (March 2009)
- 2009 World Energy Conference Presentation at the UN ([Part 1](#), [Part 2](#))
- [Changemakers Colorado Amadei](#) (January 2010)
- Rocky Mountain PBS special on Haiti: [From Crisis to Development](#) (March 2010)
- [2009 Ashoka US Fellows](#) (April 2010)
- Article in Marker Magazine - Parts [1](#) and [2](#) (August 2010)
- [Engineering With Soul](#) (January 2011)

Projects

- Sustainable economic development for the Crow Native American community in Montana (2007-2013)
- Developing a Replicable Model for Sustainable Technology Entrepreneurship in Afghanistan (2007-2010). In collaboration with Afghans for Tomorrow and FoSt Nepal.
- Sustainable practices for affordable housing in Palestine (2008-2010)
- Sustainable Engineering in the Eastern Mediterranean region (2008-2010)
- Haiti: From Crisis to Development (2010-)