

J.R. HARRIS & COMPANY
STRUCTURAL ENGINEERS



JAMES ROBERT HARRIS, P.E., Ph.D.
Principal

Experience

Jim is well versed in structural engineering practice and research. He has designed or evaluated hundreds of structures ranging from dwellings to high-rise buildings including industrial facilities, long spans, buildings in the highest seismic zones, excavation bracing, pile and pier foundations, vibration issues, and renovations of historic buildings. This background spans nearly all types of construction and structural materials and includes responsibility for management of all design disciplines. His experience includes six years of full-time research. His research has focused on the loading and response of structures, particularly earthquake and snow loadings. A second focus is on improving the formulation and use of engineering standards. He has written over 30 reports and journal articles on the results of his research and practice. He is an active member of several committees that produce national standards for structural engineering practice, and his expertise there was recognized by his election to the National Academy of Engineering.

Education

Ph.D.	University of Illinois, 1980, Structures and Foundations
MSCE	University of Illinois, 1975, Structures
BSCE	University of Colorado, 1968, Structures

Registration

Colorado:	Professional Engineer #11118	Idaho:	Professional Engineer #10309
California:	Civil Engineer #34192; Structural Engineer #2640		
National Council of Engineering Examiners Record #8449 (currently inactive)			

Professional Employment

1984-	J.R. Harris & Company, Principal, Denver
1981-84	Structural Consultants, Inc., Principal, Denver
1975-81	National Bureau of Standards, Center for Building Technology, Research Structural Engineer, Gaithersburg, MD
1973-75	University of Illinois, Graduate Research and Teaching Assistant
1969-73	Zeiler and Gray, Engineer and Associate, Denver
1968-69	Ken R. White Company, Engineer, Denver

J.R. HARRIS & COMPANY
STRUCTURAL ENGINEERS

Awards

- Distinguished Engineering Alumnus, University of Colorado, Boulder, 2007
- National Academy of Engineering, elected 2005
- Structural Eng'g Inst. of the Am. Soc. of Civil Engineers, Walter P. Moore, Jr., Award, 2002
- Building Seismic Safety Council of the Nat'l Inst. of Bldg Sci, BSSC Honor Award, 1997.
- Colorado Engineering Council, Certificate of Honor, 1997.
- U. S. Federal Emergency Management Agency Outstanding Public Service Award, 1986.
- U. S. Department of Commerce Bronze Metal Award for Superior Federal Service, 1981.
- District of Columbia Council of Engineering and Architectural Societies National Capital Award for Special Achievement, 1981.
- Univ. of Colorado Dep't of Civil Eng'g, Ketchum Award for outstanding graduate, 1968.

J.R. HARRIS & COMPANY
STRUCTURAL ENGINEERS

JAMES ROBERT HARRIS, P.E., Ph.D., continued

Professional Society Membership

- American Concrete Institute; Fellow
- American Consulting Engineers Council
- American Institute of Steel Construction
- American Society of Civil Engineers
- American Society for Testing and Materials
- American Welding Society
- Coalition of American Structural Engineers
- Colorado Association of Geotechnical Engineers
- Earthquake Engineering Research Institute
- International Association for Bridge and Structural Engineering
- International Code Council
- The Masonry Society
- National Society of Professional Engineers
- National Trust for Historic Preservation
- The Post Tensioning Institute
- Structural Engineers Association of Colorado

Professional Committees and Activities (current)

- Advisory Committee on Earthquake Hazard Reduction (for the National Institute for Standards and Technology), Member
- American Concrete Institute: Member, Committee 318, Standard Building Code, and subcommittees on Seismic Provisions and on Prestressed and Precast Concrete
- American Institute of Steel Construction: Member of Task Committee on Seismic Provisions, Emeritus Member of Specification Committee; Former Chair, Committee for the Design for Blast Resistant Steel Buildings
- American Society of Civil Engineers: Member and Past Chair, Standards Committee for Minimum Design Loads for Buildings and Other Structures (ASCE 7); formerly Chairman, Task Committee on Earthquake Loads; also Member and Subcommittee Chair, Standards Committee for Loads on Structures During Construction.
- American Society of Civil Engineers: Member, core team for the Pentagon to study building performance in the wake of the September 11, 2001, attacks
- Applied Technology Council: President, Board of Directors.
- Building Seismic Safety Council: Member, Provisions Update Committee, Technical Subcommittee on Structural Design; Code Resource Support Committee; formerly chair of committee that produced 1985 edition of *NEHRP Recommended Provisions* (first edition), plus activity on several other technical subcommittees
- International Standards Organization, Past Chair of U. S. Technical Advisory Group for TC 98, Bases for the Design of Structures
- Mid-American Earthquake Engineering Research Center: Member, Executive Advisory Board (Chair 2002-3)
- Structural Engineering Institute of ASCE: President of Board of Governors; also former Chair, Executive Committee for Codes and Standards Activities Division
- Structural Engineers Association of Colorado: Chairman, Committee on Seismic Standards and Member, Committee on Snow Loads; President, 1990
- The Masonry Society: Member, Board of Directors