

Montana Professional Engineers Hall of Fame

Fred F. Videon, Ph.D., P.E.

Montana Professional License Number 2952PE

- * Colorado State University - B. S. Degree, Civil Engineering, 1958
Colorado State University - M. S. Degree, Civil Engineering, 1960
University of Illinois - Ph. D. Degree, Civil Engineering (Structures), 1965
- * Research Engineer, U.S. Army Corps of Engineers Nuclear Cratering Group, studying the feasibility of constructing a sea-level canal with nuclear explosives, 1963-1965
- * Assistant Professor, Associate Professor and Professor, Montana State University Department of Civil Engineering and Engineering Mechanics, 1965-1988; Department Professor of the Year in 1968, 1970, 1974, 1978, 1982, 1985, and 1988; Awarded Professor Emeritus status in 1990
- * American Society for Engineering Education (ASEE) Western Electric Fund Award for Excellence in Instruction of Engineering Students, 1974
- * Developed "Snow Loads for Structural Design in Montana," 1978 and 1988; Served as editor of the 2005 edition, used by designers and building officials as the standard for structural design in Montana
- * Project Engineer for Howard, Needles, Tammen & Bergendoff (HNTB), 1980-1981; Developed computer programs for post-tensioned concrete girder bridges; Served on Kansas City Mayor's task force reviewing methods of reconstruction of the failed Kemper Arena roof
- * Senior Structural Engineer, HKM Associates, 1988-1995 and Bridger Engineers, Inc., 1996-2006; Structural design for several projects at Montana State University, including the Montana Hall cupola, Montana Hall and Hamilton Hall seismic mitigation, Plew Facilities Services Building renovation, Bobcat Stadium scoreboard, and Breeden Fieldhouse concert suspension grid loading criteria; Structural engineer for Bozeman High School addition, Belgrade Middle School addition, Pollard Hotel in Red Lodge, and Belmont Senior Center in Butte; Respected mentor to young engineers
- * Member of American Society of Civil Engineers (ASCE); Student Chapter Advisor, 1969-1977; Montana Section President, 1978; Task Committee on Longitudinally Stiffened Plate Girders, 1978; National Committee on Student Services, 1978-1982; Education Division Executive Committee Chairman, 1985; Civil Engineering Las Vegas Education Forum Steering Committee, 1990

Inducted November 2, 2007

Presented by the Montana Society of Engineers
A state society of the National Society of Professional Engineers

