

## PROFESSIONAL RESUME

### ROBERT J. CALDWELL, P.E.

PONDEROSA ASSOCIATES, LTD.  
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#### EDUCATION:

- B.S., Architectural Engineering, University of Colorado at Boulder, 1973  
Structural Mechanics
- Graduate Study, Civil Engineering, University of Colorado at Boulder, 1975-76  
Engineering Mechanics

#### PROFESSIONAL EXPERIENCE:

- 1974 – Present                      Senior Engineer, Ponderosa Associates, Ltd.  
Lafayette, CO  
Partner – 1980–present. President – 1990–present.  
*Areas of expertise: motor vehicle accident reconstruction, including bicycles and motorcycles; structural, mechanical and vehicle failure analysis; structural, mechanical and vehicle design and testing; highway safety design; ski bindings and ski slope accident reconstruction; heavy truck accident reconstruction; railroad accidents and grade crossing evaluation; vehicle crashworthiness; occupant kinematics and pedestrian impact analysis..*
- 1979 – 1980                      Consulting Engineer, Principal, Sundance Engineering  
Boulder, CO
- 1975 – 1976                      Research Engineer, Mechanical Engineering Department  
University of Colorado, Boulder, CO  
*School Bus Vehicle Dynamics – investigation of optimum equipment for mountain driving.*
- 1974                                      Ski Engineer, Lovett Ski Corporation  
Boulder, CO

#### PROFESSIONAL REGISTRATION (LICENSE):

- Colorado #15252
- Wyoming #3365 (inactive)
- Certified Traffic Accident Reconstruction – ACTAR #718 (1996-2001)

## **PROFESSIONAL AND HONOR SOCIETIES:**

- Society of Automotive Engineers (SAE)
- American Society of Civil Engineers (ASCE)
- American Society of Testing and Materials (ASTM)
- International Society for Skiing Safety (ISSS)
- Chi Epsilon Civil Engineering Honorary
- Sigma Tau General Engineering Honorary
- Tau Beta Pi General Engineering Honorary
- Engineering Development Council Scholarship

## **GUEST LECTURER:**

University of Colorado College of Engineering  
University of Wyoming College of Engineering  
University of Colorado College of Law  
University of Wyoming College of Law  
Denver University College of Law  
National Institute for Trial Advocacy  
Wyoming Trial Lawyers Association  
Colorado Trial Lawyers Association  
Boulder and Arapahoe County Bar Associations  
Wyoming Bar Association  
South Dakota Trial Lawyers Association  
Association of Trial Lawyers of America  
Attorney's Information Exchange Group  
Continuing Legal Education, Colorado, Wyoming  
Society of Manufacturing Engineers  
Eagle International Associates  
ABOTA