

# Priscilla P. Nelson

- Professor and Department Head  
Mining Engineering, Colorado School of Mines
- Previous to CSM:
  - Provost and Professor, New Jersey Institute of Technology (2005-2013)
  - Senior Advisor and Division Director, National Science Foundation (1996-2005)
  - Professor, University of Texas at Austin (1983-1996)
- Industry Experience:
  - Trans-Alaskan Pipeline Project
  - Peace Corps Volunteer (Ecuador)
- Degrees:
  - B.S. Geological Sciences, 1970, University of Rochester
  - M.S., Geology, 1976, Indiana University
  - M.S., Structural Engineering, 1979, University of Oklahoma
  - PhD, Geotechnical Engineering, 1983, Cornell University



# Priscilla P. Nelson: Teaching and Research

## Academic Activities:

- CSM Courses:
  - MNGN 408 “Underground Engineering and Construction”
  - MNGN 404 “Tunnel Engineering”
- Education Innovation:
  - Redevelopment of courses in Underground Construction and Engineering
  - Revamped senior design course to include Industry participation as mentors

## Research Activities:

- Sustainability of Urban Infrastructure
- Surface and Underground Excavation and Geologic Uncertainty and Risk
- Mechanized Excavation System Performance
- Student-authored children’s books about engineering

# Priscilla P. Nelson: Current Research Projects

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- Title: “CELERY: Creative Engineering Learning Resource – a web resource for Children”
  - Funded by: CSM internal funds
- Title: “Geologic Risk and Uncertainty in Underground Excavations”
  - Funded by: Newmont USA (CIERSE), Project Pending
  - Co-PI: Alexandra Newman