

DAVID E. NICHOLAS, P.E.

Education

M.S., Geological Engineering, University of Arizona, 1976

B.S., Geological Engineering, University of Arizona, 1970

Registration

P.E. #11085, Geological Engineering, Arizona

Affiliations

AIME, SME

International Society of Rock Mechanics

American Underground Association

Experience

- 1997 - present **President, Call & Nicholas, Inc.**, Tucson, Arizona.
International consultant on slope stability, rock mechanics, geological engineering, and underground rock mechanics for operating properties and feasibility-level studies.
- 1980 – 1997 **Vice President, Call & Nicholas, Inc.**, Tucson, Arizona.
Areas of specialization include underground rock mechanics, evaluation of mining methods from a rock mechanics standpoint, cavability studies, geological interpretation for mine planning, and all phases of geologic structure and rock strength data collection. Major projects include all properties at PT Freeport's Indonesian operations (underground and open pit), underground design for Rio Tinto's Palabora (South Africa), Las Encinas (Mexico), Cyprus' Henderson Mine (CO), Getchell Mine (NV); open-pit geotechnical evaluations for the Teberebie Goldfields (West Ghana, Africa), Tintaya mines (Peru), Kennecott's Bingham Canyon (UT), Codelco's Chuquicamata (Chile), Barrick's Pierina (Peru).
- 1974 – 1980 **Senior Project Engineer, Geological Engineering and Rock Mechanics Division, Pincock, Allen & Holt, Inc.**, Tucson, Arizona.
Managed projects in both underground and open-pit rock mechanics in Canada, Indonesia, Africa, Mexico, and the United States. Studies were conducted for both feasibility projects and operating installations.
- 1974 – 1975 **Instructor, University of Arizona, Department of Mining and Geological Engineering**, Tucson, Arizona.
Taught upper division geomechanics courses.
- 1968 – 1973 **Mine Geologist, Hanna Mining Company**, Ironton, Missouri.
Responsible for geologic mapping, development drilling program, ore reserve calculations, and rock mechanics program at an underground iron mine. As an Exploration Geologist, duties included exploration for nickel laterites in California and Oregon and for copper in Idaho, Montana, and Arizona.