School of Mineral Engineering

Degree Candidates

Sukumar Bandopadhyay, Dean

Baccalaureate Degrees

Deanna N. Age  B.S.  Geological Engineering

Mary Elizabeth Brunner  B.S.  Geological Engineering

Margaret Marie Darrow  cum laude, Golden Key Honor Society, Phi Kappa Phi Honor Society  B.S.  Geological Engineering

Jake Flora  B.S.  Petroleum Engineering

Robert Lee Mielke  summa cum laude  B.S.  Petroleum Engineering

Mary Theresa Wilson  B.S.  Geological Engineering

Master’s Degrees

Kyle L. Brennan  M.S.  Geological Engineering
  B.S., University of Alaska, 1998

Mahesh S. Deshpande  M.S.  Petroleum Engineering
  B.S., Maharashtra Institute of Technology (India), 1997

Nkemakonam Ejiofor  M.S.  Petroleum Engineering
  B.S., University of Benin (Nigeria), 1997

Mbride Mbride  M.S.  Mineral Engineering
  B.S., University of Alaska, 1988;
  M.S., University of Alaska, 1996

Indranil Seth  M.S.  Mining Engineering
  B.T., Indian School of Mines (India), 1999

Michael Donovon Timmcke  M.S.  Petroleum Engineering
  B.S., University of Kansas, 1995

Xingru Wu  M.S.  Petroleum Engineering
  B.S., University of Petroleum (China), 1997

Doctor of Philosophy Degrees
Jinchuan Ke  
B.S., Fuzhou University (PR China), 1987;
M.S., China University of Mining and Technology, 1991;
M.S., University of Alaska, 1997;
M.S., University of Alaska, 1999

Ph.D.  
System Engineering: Interdisciplinary Program

Thesis: Neural-Network Modeling of Placer Ore Grade Spatial Variability
Traditional techniques of ore reserve estimation methods for marine placer deposits are inadequate. Neural network provides a new procedure and structure in nonlinear interpolation and demonstrates a potential for ore reserve estimation. This thesis presents an application of neural network for grade estimation and calculates mineral inventory at various cutoff grades for Nome offshore gold deposit.

Major Professor: Dr. Sukumar Bandopadhyay