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 Hon*or 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 *B.S., University of Alaska, 1998*	M.S.	Geological Engineering
Mahesh S. Deshpande *B.S., Maharashtra Institute of Technology (India), 1997*	M.S.	Petroleum Engineering
Nkemakonam Ejiofor *B.S., University of Benin (Nigeria), 1997*	M.S.	Petroleum Engineering
Mbride Mbride *B.S., University of Alaska, 1988;* *M.S., University of Alaska, 1996*	M.S.	Mineral Engineering Management: Interdisciplinary Program
Indranil Seth *B.T., Indian School of Mines (India), 1999*	M.S.	Mining Engineering
Michael Donovon Timmcke *B.S., University of Kansas, 1995*	M.S.	Petroleum Engineering
Xingru Wu *B.S., University of Petroleum (China), 1997*	M.S.	Petroleum Engineering

Doctor of Philosophy Degrees

Jinchuan Ke   **Ph.D.**   **System Engineering: Interdisciplinary Program**

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

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