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DIVISION OF
OIL, GAS & MINING

February 5, 1991

Ms. Pam Grubaugh-Littig
Permit Supervisor
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84108

Dear Ms. Grubaugh-Littig:

Enclosed is a copy of the agenda for the PC/FEM workshop scheduled for March 1, 1991, in Denver, Colorado.

Please call me at 220-4515 if you have any questions.

Sincerely,

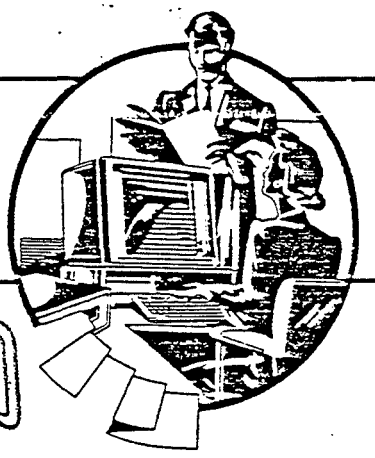
Gary S. Takenaka

Gary S. Takenaka
Senior Mining Engineer

Enclosure

US BUREAU OF MINES WORKSHOP

Personal Computer Finite Element Modeling For Ground Control and Mine Design



Friday, March 1, 1991
Hyatt Regency Hotel
Denver, Colorado

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Held in association with the SME Annual Meeting, this one-day workshop focuses on the use of the personal computer for finite element modeling (PC/FEM) of ground control and mine design problems.

The Bureau of Mines, in cooperation with the University of Utah and various minerals industry representatives has developed a reliable, user-friendly procedure for using the finite element method on the PC using AutoCad for convenient display of results important to excavation safety and the stability of mine excavations.

Attendees will have an opportunity to learn the procedure for performing an FEM analysis on the PC and for displaying the results through several demonstration problems that often arise in mining practice. A user's guide, an executable program copy, and descriptions of several sample problems will be available to participants.

Emphasis will be placed on the use of the finite element modeling approach as a design tool. Attendees with a B.S. degree in mining engineering or a closely related field should feel comfortable at the workshop. The workshop is free of charge.

Agenda

9:00 AM	Welcome and Overview of the Workshop
9:30 AM	Demonstration of the Personal Computer Finite Element Modeling Procedure
10:15 AM	Break
10:45 AM	Collection and Preparation of Input Data
Noon	Lunch
1:00 PM	Mesh Design and File Creation
1:50 PM	Break
2:00 PM	Runstream Submission and Program Execution
2:50 PM	Break
3:10 PM	Output Display and Interpretation of Results
4:00 PM	Break
4:10 PM	Second Demonstration Problem
4:30 PM	Workshop Wrap-Up

For attendance information contact: US Bureau of Mines, Office of Technology Transfer, 2401 E Street, NW, MS 6201, Washington, DC 20241 (202-634-1224).