



2004-2005

March Meeting Notice

Minnesota Geotechnical Society (Duluth)

Blast Vibrations – Predictions

D. Lee Petersen, PE, Ph.D
Senior Engineer, CNA Consulting Engineers

This technical presentation will be a primer on predicting ground vibrations from surface blasting in an urban environment. Accurate predictions involve several critical steps requiring both fieldwork and office calculations. These steps are: a site assessment including geology, evaluation of the likely blasting techniques and blast loadings, location of the critical nearby structures, determining attenuation relationships and setting confidence limits. The discussion will include predicting vibration displacements, velocities, accelerations and principal frequencies.

Date: Tuesday, March 29, 2005

Location: Grandma's Saloon & Grill – Sand Bar Room
522 Lake Avenue South
Duluth, MN

Time: 6:00 Social Hour
7:00 Dinner – Buffet style
8:00 Presentation – Lee Peterson

Cost: \$20.00 members, \$20.00 non-members, and \$5.00 Full-time students, payable to MGS at the door.

(One professional development hour toward continuing education requirements for Professional Engineers is available).

Reservations: Requested by 12 Noon, Friday, March 18, 2005.

Please register via the website at <http://www.mngeotechnicalsociety.com/eventsmpls.asp> or call Travis Davidsavor to indicate your lunch selection at (218) 628-1518, fax: (218) 628-1580 or email: tdavidsavor@amengtest.com

President	Vice President	Secretary	Treasurer	Program Chair	ASCE Chair	Past President
Robert Martin	Mark Flumerfelt	Jeff Gebhard	Mark Osborn	Ryan Peterson	Brent Theroux	Aaron Grosser
612-379-8805	612-758-4476	651-779-5596	507-645-0964	612-379-8805	952-473-7193	952-832-2609

<http://www.mngeotechnicalsociety.com/>