

Dr. Catherine T. Aimone-Martin

Dr. Aimone-Martin is President of Aimone-Martin Associates, LLC. She has worked 37 years in the mining and construction industries the U.S. and Canada. Her research and training span 25 years with academia and national laboratories. Dr. Aimone-Martin is Emeritus Professor of Mineral and Civil Engineering and Explosives Engineering at New Mexico Tech. Her expertise includes explosive engineering, rock blasting design and oversight, vibration monitoring and control, structure instrumentation, community relations, soil and rock mechanics and foundation engineering.

AIMONE-MARTIN ASSOCIATES, LLC

DBE Certificate No. 08-11-305 with the New Mexico Unified Certification Program (NMUCP) and NMDOT DBE Program

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R. Gordon McKeen, P.E.

Mr. McKeen holds undergraduate and graduate degrees in Civil Engineering from Texas A&M University and was employed at the University of New Mexico as a senior research engineer and associate research professor in Civil Engineering for 27 years. Beginning in 1986 Mr. McKeen served as a consultant to industrial, government and private organizations investigating failures of a wide range of civil engineering facilities. In this role the investigation of construction vibration damage claims have been a frequent task. Mr. McKeen retired from UNM in 2002 and is now a full-time private consultant. He is a Licensed Professional Engineer (Civil), in New Mexico, Colorado, Texas, Nevada. Mr. McKeen has served in professional organizations and committees and published on topics covering research areas.

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**Aimone-Martin Associates, LLC
1005 Bullock Ave.
Socorro, NM 87801**

SHORT COURSE

**EVALUATING AND MANAGING
CONSTRUCTION VIBRATION
RISKS**

Friday June 13

Hilton Garden Inn

**5320 San Antonio Dr., NE
Albuquerque, NM
(505) 314-0800**

8 am – 4 pm

Presented by

**Dr. Catherine T. Aimone-Martin
President
AIMONE-MARTIN ASSOCIATES, LLC**

and

**R. Gordon McKeen, P.E.
President
McKEEN CONSULTING ENGINEERS LLC**

Who Should Attend?

Contractors
Developers and Project Owners
Property Managers
Insurance Loss Control Representatives
Design Engineers
Architects
Attorneys
County, State, and Federal Agencies

This short course offers the opportunity to learn about best practices to protect contractors and project owners against claims of damage and annoyance associated with construction project vibrations and noise. This one-day course, held in Albuquerque on two dates, will expose attendees to proven methods used to address public concerns, pre-construction planning and documentation, instrumentation and monitoring, and the use of scientific data to address alleged damage claims. It may fulfill your professional development requirements. In this brochure you will find a list of topics and background of the presenters, as well as instructions for registering. Please register early as space is limited.

Program Fee - \$160.31 (\$ 150 + tax)

Fee will cover the costs of materials and the facilities

Your personal or company check must be sent with the registration form and payable to
Aimone-Martin Associates, LLC

Visa or MasterCard is accepted by registering over the phone at 575-838-2229

**SPACE IS LIMITED TO
50 PARTICIPANTS**

Deadline for registration is June 6

Course Outline

- Community relations planning for projects
 - Dealing with negative public sentiment
 - win-win situations
- Pre-construction structure surveys
 - notifications
 - documenting existing conditions
 - good reporting practices
- Vibration monitoring planning
 - use of seismographs
 - where and how many?
- Generation of ground vibrations and noise
 - types of construction equipment
 - rock blasting
- Analyzing seismograph data
 - plotting seismograph data
 - simple statistical tools
- Propagation of ground vibrations and noise
 - distance effects
 - site conditions: geology, water, terrain
- Structure response to vibrations and air overpressures
- Safe vibration and airblast criteria
- Human response to vibrations and noise
- Responding to complaints and damage claims
 - a case of clear damage
 - if is it not vibrations, then what is it?
 - using science to refute claims
 - does science work in an adversarial climate?

Program Schedule May 2 & June 13

Registration	8:00 am to 8:30 am
Morning session	8:30 am to 11:30 am
Lunch on your own	11:30 am to 1:00 pm
Afternoon session	1:00 pm to 4:00 pm
Q&A session	4:00 pm to 5:00 pm

EVALUATING AND MANAGING CONSTRUCTION VIBRATION RISKS – Short Course June 13, 2008
Hilton Garden Inn • 5320 San Antonio Dr. NE • Albuquerque, NM
Pre-Registration deadline June 6

Name _____ Course Date _____ Check enclosed _____

Company _____ (1) CEU credit needed _____

Title _____ Phone _____ Office _____ Cell _____

Mailing address _____ City _____

State _____ Zip _____ e-mail _____

Course fee is \$160.31 (\$150 plus tax) and payable with this form. Make check payable to: *Aimone-Martin Associates, LLC* and send to 1005 Bullock Ave., Socorro NM 87801. VISA or MasterCard payment is available with phone registration by calling 575-838-2229 until Pre-Registration deadline only. On-site registration will be accepted if space is available with payment by check only. A refund for cancellation is available, less \$25 fee, only until the Pre-Registration deadline with a written request.