



RICHARD A. KOLANO, P.E.
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**Technical Papers & Presentations in
Acoustics and Noise Control**

Reverberation Room Sound System Loudspeaker Selection

Jeff A. Kleckner and Richard A. Kolano

SAE 2005 Noise and Vibration Conference

Traverse City, Michigan

A Compelling Case for the Use of the C-Weighted Noise Metric for Outdoor Amphitheater Noise Measurements

Darren J. Brown and Richard A. Kolano

2004 National Conference on Noise Control Engineering

Baltimore, Maryland, July, 2004

Acoustics and the Built Environment

Presented to **DiClemente-Siegel Design Inc. Architects**

Southfield, Michigan, June, 2004

Property Line Noise: What You Need to Know

Michigan Association of Code Enforcement Officers

Novi, Michigan, September, 2003

Audio Engineering Principles for Reverberation Room Sound Systems

Richard A. Kolano and Jeff A. Kleckner

SAE 2003 Noise and Vibration Conference

Traverse City, Michigan

Design of a World-Class Vehicle Acoustical Laboratory Facility

Richard A. Kolano, Michael F. Cooper, and Allen L. Johnson

SAE 2001 Noise and Vibration Conference

Traverse City, Michigan

Construction of a World-Class Vehicle Acoustical Laboratory Facility

Michael F. Cooper, Richard A. Kolano, Carl J. Volk, Jr.

SAE 2001 Noise and Vibration Conference

Traverse City, Michigan

Pitfalls in the Design and Construction of Vehicle Acoustical Laboratories

Richard A. Kolano and Kurt Traub

SAE 1999 Noise and Vibration Conference

Traverse City, Michigan, May, 1999

Noise and Vibration Control of Building HVAC Systems

Seminar presented February 1999 at the
1999 Technical Development Program
Sponsored by Carrier Corporation

Indoor and Outdoor Noise Criteria for HVAC and Mechanical Equipment

Presented at the September 22, 1998 Technical Session of the
Detroit Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Verification of a Miniature Reverberation Room for Sound Absorption Measurements Using Corner Microphone Technique

Richard A. Kolano and Jeff A. Kleckner

SAE 1997 Noise and Vibration Conference

Traverse City, Michigan, May 1997

Corner Mounted Boundary Microphones for Measuring Decay Rate in a Reverberation Room

1994 National Conference on Noise Control Engineering

Fort Lauderdale, Florida, May 1994

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| | Technical Papers & Presentations in Acoustics and Noise Control (continued) |
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| <i>Environmental Noise Considerations in the Design of New and Renovated Hospital Facilities:</i> | International Conference and Exhibition on Health Facility Planning Design & Construction Tampa, Florida, May 6, 1994 |
| <i>Automotive Testing Requirements in the Design of a Reverberation Chamber</i> Richard A. Kolano, William S. Beggs, and Pranab Saha | SAE 1993 Noise and Vibration Conference Traverse City, Michigan, May 1993 |
| <i>Acoustical Performance Testing of Automotive Weatherseals</i> Richard A. Kolano and Pranab Saha | SAE 1993 Noise and Vibration Conference Traverse City, Michigan, May 1993 |
| <i>Design and Construction of a Reverberation Chamber for Automotive Testing</i> Richard A. Kolano and Pranab Saha | 1992 International Conference on Noise Control Engineering Toronto, Ontario, July 1992 |
| <i>Property Line Noise and Cooling Towers</i> | Detroit Chapter of ASHRAE May 19, 1992 |
| <i>Sound and Vibration Control of Rooftop Air-Handlers</i> | Michigan Four Chapter ASHRAE Seminar Lansing, Michigan, March 1990 |
| <i>Construction Impact/Precautions/Phasing on Existing Pediatric/Neonatal Intensive Care Units</i> Samuel D. Popkin, Richard A. Kolano, David W. Salisbury | 23rd Annual Health Facilities Planning Seminar Bellaire, Michigan, March 22, 1990 |
| <i>Four Seminars:</i> <ul style="list-style-type: none">o <i>Fundamental of Acoustics</i>o <i>Office Acoustics and Privacy</i>o <i>HVAC Noise Control</i>o <i>Outdoor Noise Control</i> | Presented to the Building Design & Construction Group of Michigan Bell Telephone Co. February – March 1990 |
| <i>Silencing HVAC Systems: Selection Options</i> | Presented to the Detroit Chapter/ASHRAE September 1988 |
| <i>Speech Privacy & Acoustics in an Open Office</i> | Presented to the Detroit Chapter of the American Institute of Interior Designers April 1988 |
| <i>Sound Isolation of Jazzercise Studios</i> | 1987 National Conference on Noise Control Engineering University Park, Pennsylvania, April 1987 |
| <i>Doppler Shift in Layered Media</i> | Presented at the Acoustical Society of America Meeting December 1977, Miami, Florida |