

## **JERRY G. LILLY**

### **EDUCATION:**

M.S. in Engineering Acoustics, 1975, Pennsylvania State University  
A.B. in Mathematics, 1972, Whitman College

### **EXPERIENCE:**

1983-Present: President of JGL Acoustics, Inc. providing consulting services to architects, real estate developers, public agencies, and industry in sound and vibration control and environmental noise assessment. The majority of these services are related to four broad areas of acoustics: 1) sound isolation and interior acoustics in buildings, 2) mechanical noise and vibration control, 3) environmental noise assessment and control, and 4) industrial noise control. Other areas of expertise include preparation of environmental impact statements, construction noise assessment, and expert witness testimony. Typical projects include hospitals, music buildings, office buildings, theaters, churches, hotels, educational facilities, industrial facilities, and transportation system improvements.

1979-1983: Acoustical consultant with Towne, Richards & Chaudiere, Inc. in Seattle, Washington. Served as project manager for several mechanical, architectural, and industrial noise control projects.

1977-1979: Acoustical engineer with the Applied Physics Laboratory at the University of Washington. Responsible for field measurements and mathematical modeling of underwater acoustic reverberation for applications to U.S. Navy undersea weapons guidance systems.

1975-1977: Acoustical Consultant with Paul S. Veneklasen & Associates, Inc. in Santa Monica, California.

### **EDUCATIONAL AND RESEARCH ACTIVITIES:**

Instructor, M.E. 428 "Machinery Noise", Mechanical Engineering Department at the University of Washington, Winter Quarter 1981.

Instructor, Arch 436-U "Architectural Acoustics", Department of Architecture at the University of Washington, Spring Quarter 1988.

Lecturer, ASHRAE Professional Development Seminar: "Designing HVAC Systems to Control Noise and Vibration", 1996 - Present, Philadelphia, Phoenix, Toronto, Seattle, Montreal, Atlanta, Baltimore, Boston, Austin, Dallas, Denver, Albuquerque, San Diego, Minneapolis

## **PUBLICATIONS:**

"Sound Power Levels of a 36 inch Vertical Plug Fan", *Proceedings from Noise-Con 83, Massachusetts Institute of Technology, Cambridge, MA 1983.*

"Absorption Coefficients for Spatially Separated Acoustical Panels", *Proceedings from 1984 International Conference on Noise Control Engineering, Honolulu, HI 1984.*

"Breakout in HVAC Duct Systems", *Sound and Vibration, Volume 21, No. 10, October 1987.*

"Vibration and Noise", Chapter 22 of **Pumping Station Design**, ed. R.L. Sanks, Butterworths, 1989.

"A Sound Reduction Enclosure Without Doors", *Proceedings from 1991 International Conference on Noise Control Engineering, Sydney, Australia, December 1991.*

"Environmental Noise Criteria for Pure Tone Industrial Noise Sources", *Proceedings from Noise-Con 94, Ft. Lauderdale, Florida, May 1994.*

"Field Testing of Operable Partitions", *Sound and Vibration, Volume 29, No. 11, November 1995.*

"Noise Control at an EPA Superfund Cleanup Site", *Sound and Vibration, Volume 32, No. 12, December 1998.*

"Reverberation Chamber Qualification at Low Frequencies", *Sound and Vibration, Volume 33, No. 12, December 1999.*

"Noise in the Classroom", *ASHRAE Journal, Volume 42, No. 2, February 2000.*

## **PROFESSIONAL AFFILIATIONS:**

Institute of Noise Control Engineers (Board Certified since 1993)  
Acoustical Society of America (Fellow since 2001)  
National Council of Acoustical Consultants (President: 1996-1998)  
ASHRAE (Member Technical Committee 2.6, Sound & Vibration)  
Registered Professional Acoustical Engineer (Oregon, 1983)  
ASTM (Technical Committee E33, Environmental Acoustics)

## **WEB SITE:**

[www.jglacoustics.com](http://www.jglacoustics.com)