

Stewart Acoustical Consultants

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Noral D. Stewart

- Education:** BSME (with honors) - 1969, MSME - 1974, PhD - 1981
Department of Mechanical & Aerospace Engineering,
North Carolina State University at Raleigh
Graduate specialization in acoustics and noise control,
Phi Kappa Phi, Tau Beta Pi, Pi Tau Sigma
- Technical,** National Council of Acoustical Consultants
President - 2000-2002
President Elect - 1998-2000
- Standards,** Vice-President - 1996-1998
Board of Directors - 1994-1996, 2002-2004
- &** Member - Acoustical Society of America
Member - Technical Committee on Architectural Acoustics - 96-05
Member - Technical Committee on Noise - 95-04
- Professional** North Carolina Chapter Chair 79-80, Sec-Treas 77-79, 83-91, Treas 91-96
Activities: Member - American Society for Testing and Materials, Comm. E33
Vice Chairman – Committee E 33 2004-2005
Chairman - Task Group for sound isolation measurement, ASTM E336
Chairman - Task Group for environmental noise criteria guide, E1686
Member - Institute of Noise Control Engineering
Co-Chairman - 1981 National Conference, NOISE-CON81,
Papers review for Noise Control Engineering Journal
Member - American Society of Mechanical Engineers
Papers review for various technical divisions
Member - Aircraft Noise Subcommittee, Transportation Research Board

Experience:

Consulting activities have covered the broad spectrum of problems involved in architectural acoustics, community and environmental noise, and industrial noise control. Dr. Stewart is a native of North Carolina familiar with the unique environment, industries and building practices of the region. He has assisted architects and engineers in the design of award-winning buildings and has helped owners correct problems in existing buildings. Dr. Stewart was the principal noise control expert for the 1990 National Institutes of Health Consensus Conference on Noise and Hearing Loss. He has advised local governments on noise control ordinances and the resolution of noise problems. In 1985, he taught a national community noise teleconference course for the American Speech-Language-Hearing Association. Dr. Stewart has served as an expert witness in Federal District Court, North Carolina District and Superior Courts, South Carolina Administrative Law Court, and before arbitration proceedings.

A strong participation in technical society activities includes membership in the Acoustical Society of America for over 30 years. He has served continuously on the local chapter executive committee since 1977. Dr. Stewart has participated strongly in the development of ASTM standards for architectural acoustics and community noise evaluation. He has a record of over 50 publications, seminars, and presentations to technical societies, including a chapter on Community Noise in The Noise Manual published by AIHA. He served as President of the National Council of Acoustical Consultants, 2000-2002.