

# *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 1994-2004  
Long Range Planning Committee, 2000-Life, Chair 2002-2004
- &** Fellow - Acoustical Society of America  
Member - Technical Committee on Architectural Acoustics - 96-11  
Member - Technical Committee on Noise - 95-10
- Professional** North Carolina Chapter Chair 79-80, Sec-Treas 77-79, 83-91, Treas 91-96  
**Activities:** Fellow – ASTM International, Award of Merit 2010  
Committee E33 on Building and Environmental Acoustics  
Vice Chair –2004-2009, Wallace Waterfall Award 2005  
Chair - Task Groups for standards E336 (field sound isolation), E1686  
(environmental noise criteria), and E1332 (outdoor-indoor attenuation)  
Member - Institute of Noise Control Engineering  
Co-Chairman - 1981 National Conference, NOISE-CON81,  
Papers review for Noise Control Engineering Journal  
Member – ASME International  
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 Court of Common Pleas, 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 40 years, achieving the distinction of Fellow of ASA, and serving 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, and is only the ninth acoustician to achieve ASTM Fellowship and the only ASTM Fellow currently providing testing services in accordance with the standards of Committee E33. He served as President of the National Council of Acoustical Consultants, 2000-2002. 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.