



Armstrong World Industries
Building Products Technology
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Biographical Description

Kenneth Roy has global R&D responsibilities for acoustics technology. His research activities include the interactions between architectural design, acoustic performance, and human performance. He participates in collaborative university and research center programs, teaching programs, and both national and international standards development. His current focus is on architectural design as it affects both speech privacy and speech intelligibility in buildings. Specific research topics include architectural modeling and auralization of design spaces, speech intelligibility in schools, speech privacy design in office and healthcare, and acoustic effects on knowledge worker comfort and productivity as a part of building Interior Environmental Quality.

Kenneth Roy was previously with Owens-Corning Technical Center in Granville, Ohio and with the Acoustical Consulting firm of Veneklasen & Associates in Santa Monica, California. He has a Ph.D. in Acoustics, M.S. in Architectural Engineering both from Penn State, and a B.S. degree in Electrical Engineering from the University of Maine at Orono.

Current Professional Affiliations

- ASA:** Acoustical Society of America, elected Fellow 1999
Member TCAA Technical Committee on Architectural Acoustics
Member TCN Technical Committee on Noise
Member ASA/ANSI S12 WG 52 Classroom Acoustics
Member ASA/ANSI S12 WG 44 Speech Privacy
- ASTM:** ASTM International
Chairman Subcommittee E33.06 on International Standards
Member Sub Committee .02, .03, .04, .05, .07, .09
- ASHRAE:** Member TC2.6 Technical Committee on Sound and Vibration
Member TC2.1 Technical Committee on Physiology and Human Environment
- ANSI:** American National Standards Institute
Head of US Technical Advisory Group to ISO TC43/SC2 on Building Acoustics
- ISO:** International Organization for Standardization
Chairman/Convener Joint TC205/TC 43 SC 2 WG6 Building Environment Design – Indoor Acoustic Environment
- USGBC:** US Green Building Council
Member, Subject Matter Expert - Acoustics

Publications & Presentations (since 1990)

- over 100 publications on Architecture & Acoustics in 30 journals, trade magazines and conference proceedings
- over 170 Seminars on Architectural Acoustic Design presented in 18 countries
- invited lecturer on Architecture & Acoustics at 16 Universities in 6 countries

Patents

- holder of 5 US Patents