

# Acoustics & IEQ

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**Tuesday 12 August - Brisbane**

**Keynote speaker: Dr Kenneth Roy**

CPD points available from  green building council australia



**Australian Acoustical Society**  
Queensland Division



## Your Invitation

It is generally recognised that Australians spend 90% or more of their time indoors. So the quality of our indoor environments can have a big impact on the health, comfort and productivity of building occupants and the bottom line for investors and buildings owners.

Join us as we take a targeted look at the effect of proper **Acoustical Design** and its contribution to Indoor Environment Quality (IEQ).

This targeted event will cover:

- What constitutes good **Acoustical Design**
- What are the benefits of good **Acoustical Design** for building owners and occupiers.
- Occupant satisfaction surveys by CBE of UC Berkeley for Office, Healthcare and Educational facilities.
- Is “Sustainable design” producing effective acoustical environments?

### Expert speaker

Joining us from the United States is keynote speaker Dr Kenneth Roy, Senior Principal Research Scientist, Armstrong World Industries. Kenneth Roy is a highly regarded expert in the field of acoustics and IEQ. He will provide an insight into creating exemplary aural environments across the office, healthcare and education sectors with occupant productivity and comfort (read more about Dr Roy's biography on the next page).

### More about Acoustics and IEQ

Acoustics is one of the 3 core indicators of IEQ and has a huge impact on people's health, happiness and comfort within a building.

The direct benefits of effective acoustical design are just starting to be recognised and measured, including faster recovery times for patients in hospitals, increased learning capacity within school facilities and boosted office productivity.

The benefits of good acoustics in IEQ to the financial bottom line are also just starting to be measured and the findings are significant.

## Join us for an evening of innovation and inspiration

Venue: The Greek Club  
29 Edmondstone Street, South Brisbane QLD 4101

Time: Registration at 6pm

For bookings, please email us at: [rdevereux@acran.com.au](mailto:rdevereux@acran.com.au)

Australian Acoustical Society, QLD Division

Richard Devereux, Divisional Secretary

Telephone: 07 3217 0055

Email: [rdevereux@acran.com.au](mailto:rdevereux@acran.com.au)



Armstrong World Industries  
Building Products Technology  
2500 Columbia Avenue, Lancaster, PA 17603

**Kenneth P. Roy, Ph.D.**, fellow ASA  
Senior Principal Research Scientist  
Office: 717-396-5700  
Facsimile: 717-396-5486  
Email: [kproy@armstrong.com](mailto:kproy@armstrong.com)

### 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