acoustic directions

Glenn Leembruggen:

Profession
Acoustic and Electro-Acoustic Engineer

Professional Associations
Member of:

- Institute of Acoustics
- Associate of Sydney University
- Audio Engineering Society
- Australian Acoustical Society
- Associate Member Acoustical Soc. America

Standards Committee
IEC Maintenance team for 60268-16 (STI measurements)

Awards

1998 Audio Designer of the Year
by popular vote at The Entech Awards for Technical Brilliance

1995 Audio Engineering Society Inc Achievement Award for the design of the new sound system for Court 2 of the High Court of Australia.

1994, 1993 & 1990 Hi Fi Loudspeaker of the Year Award for the design of hi fi loudspeakers.

1993 Audio Engineering Society Inc Achievement Award for the design of the new sound systems for the Parliamentary Chambers in the Australian Parliament House.

Employment History

2003 to present
Principal, **Acoustic Directions Pty Ltd**

1999 to 2003
Senior Associate, **Arup Acoustics**

1982 to 1999

Founding Director, **Elecoustics Pty Ltd**

The sound of speech and music is where science meets art and psychology; When it is good, it can greatly enhance our human experience. So why is it so often poor?

Both the delivery of wanted sound and the attenuation of unwanted sound are all too often taken for granted. Architects, clients and users are often unaware that many everyday situations present difficult challenges for the delivery of speech and music with sufficient clarity and intelligibility, tonal naturalness and freedom from echoes and feedback.

Glenn Leembruggen is one of the world's leading experts in the acoustic design of sound systems for important buildings that have demanding requirements for music and speech amplification.

Glenn's holistic understanding of the interdependence of architecture, acoustic environment, sound systems and sound quality brings great value to projects. His approach to acoustic design is unusual, combining knowledge of music, high-level acoustic and electrical theory, practical application and measurement skills along with a high listening acuity.

Glenn holds a degree in electrical engineering and has undertaken postgraduate studies in acoustics, achieving High Distinctions.

In recognition of his industry work and his support of the Audio and Acoustics program at the University of Sydney, Glenn was appointed an Associate of the Architecture and Design Faculty at Sydney University.

His current research areas are measurement and prediction of speech intelligibility, prediction of acoustical absorption behaviour and low frequency transmission loss, loudspeaker array design and the optimisation of sound in listening rooms.

Glenn has presented a number of papers at international conferences on the prediction of speech intelligibility and the design of innovative loudspeaker solutions for problem spaces. He has also authored three journal papers and is a member of the IEC maintenance team for the IEC standard relating to the measurement of speech intelligibility by STI.