

## Tracy Hilliker

### Senior Acoustics Engineer



Tracy Hilliker holds a Bachelor of Engineering with Honours in Mechanical Engineering, graduating from Canterbury University in 2001. Since then she has worked as Mechanical and Hydraulics Engineer within the building services sector, and brings over four years' experience to her role as an Acoustic Engineer. Tracy joined AES in 2007, and has gained experience in environmental noise assessment and monitoring, and continued to develop her skills in building services noise and building acoustics.

As a consultant, Tracy is familiar with the requirements of the New Zealand Building Code and associated Standards and Guidelines, and has successfully contributed to a wide range of projects including the acoustic design of schools, cafes, function centres, hotels and apartments, sports gyms, office spaces, hospitals and plant rooms. She has also undertaken noise modelling for a number of activities including quarries, live bands, recreational noise and traffic. She has a particular interest in environmental noise assessments and monitoring and also specialises in educational and health facility design and analysis of mechanical plant noise.

#### Major projects - Building acoustics

- Christchurch City Council Civic Building, Christchurch
- Environment Canterbury Regional Council Project 200 Tuam Building, Christchurch
- Air New Zealand Regional Lounge, Christchurch International Airport
- Clearview Primary School Stage 2, Rolleston
- Regional Centre for Science, Innovation and Technology, University of Canterbury
- SDHB Children's Inpatient Relocation Project, Dunedin Hospital
- St Margaret's College, Charles Luney Auditorium, Old Girls' Atrium and Gymnasium, Christchurch
- Rangi Ruru Girls' School, Project Blue Skies redevelopment, Christchurch
- Forte Health Building, Christchurch
- The Arts Centre, Christchurch
- Awly Building, Durham St, Christchurch

#### Major projects - Environmental acoustics

- Hagley Oval / Canterbury Cricket, Christchurch
- Tinwald Domain, Ashburton
- Hanmer Springs Thermal Pools and Spa Extension, Hanmer
- Fulton Hogan Miners Road Quarry, Canterbury
- Fonterra Milk Production Plant, Darfield

#### Industry involvement

- Member of the Acoustical Society of New Zealand (MASNZ)
- Association of Consulting Engineers of New Zealand (ACENZ)
- ASNZ representative for the joint New Zealand Australia Standards Committee EV-010 *Acoustics Community Noise*
- NZ Site Safe Consultants Passport

#### Qualifications

- Bachelor of Mechanical Engineering with Honours – University of Canterbury (2001)