

Name and title: Dr Kristy Hansen

Current position: Senior Research Fellow

Qualifications: PhD, BEng (Mechanical)

Membership of professional bodies: Australian Acoustical Society, The Acoustical Society of America

Recent academic appointment record (last 10 years):

- 2012 – 2015: Research Associate, The University of Adelaide.
- 2015 – 2017: Lecturer, Level B, Flinders University
- 2018 -2021: DECRA Researcher, Level C, Flinders University.

Contributions to educational development:

- Revised technical content of Fluid Mechanics (ENGR 2751/8801) to ensure that it was up to date with current practice.
- Developed curriculum and designed all lectures, tutorials, laboratory classes and demonstrations for Applied Acoustics (ENGR 7861).
- Developed curriculum for Computer programming for Engineers (ENGR 1721) and designed all lectures, workshops, and laboratory classes.

Field of engineering research and publication count:

- FOR code: 091301 - Acoustics and Noise Control (excl. Architectural Acoustics)
- Academic books (3)
- Book chapters (3)
- Thesis (1)
- Peer-reviewed journal articles (24)
- Published conference proceedings (31)
- Professional engineering reports and government submissions (8)

Previous industry appointments: N/A

Collaboration and consulting with industry:

- Collaboration with Hayes Mackenzie and other international acousticians to develop a new technical standard (PT 61400-11-2: Measurement of wind turbine noise characteristics in receptor position).
- Contribution to the international standard ANSI S1.18. Method for Determining the Acoustic Impedance of Ground Surfaces.
- Collaboration with Flinders Medical Centre and Australian Sleep Health Foundation to improve understanding about sleep disturbance in hospital environments.
- Co-supervision of Honours student working on BAE systems project related to acoustics and vibration.
- Co-supervision with BAE systems of 2 projects for Diploma of Digital Technologies.

Other relevant professional activity:

- Court appearance as expert witness on wind farm noise