

Architectural Acoustics (AA)

2aAAa1: *Airborne and Impact Noise in Buildings 1, "The use of professional audio external USB sound cards for building acoustics measurements,"* John Davy, Dec 05, 8:00am - 8:20am, Room C3.4

3aAA2: *Audio for Architectural Acoustics, Indoors and/or Outdoors 1, "Cautionary tales at the intersection of audio and acoustics,"* K. Anthony Hoover, Dec 06, 8:20am - 8:40am, Room C3.4

4aAA4: *Three-Dimensional Sound Display and Analysis for Virtual Auditory Immersive Environments 1, "A real-time auralization framework for scientific experiments,"* Michael Vorlaender, Dec 07, 8:40am - 9:00am, Room C3.5

Animal Bioacoustics (AB)

3aAB3: *Examining environmental conditions that influence long-term Antarctic blue whale migration patterns in the Southern Hemisphere using an 18-year passive acoustic dataset,* Gary Truong, Dec 06, 9:20am - 9:40am, ROOM C2.3

4pAB9: *If these walls could talk: investigating bottlenose dolphin habitat use in fiord ecosystems,* Leah Crowe, Dec 07, 4:00pm - 4:20pm, ROOM C2.3

5aAB6: *The search to identify the fish species chorusing along the southern Australian continental shelf,* Lauren Hawkins, Dec 08, 9:40am - 10:00am, ROOM C2.3

Acoustical Oceanography (AO)

1aID: *Keynote: Exploring the Ocean with Sound: Telltale Acoustic Signatures of a Changing Ocean,* Andone C. Lavery, Dec 04, 9:00 am-10:00 am, PYRMONT THEATRE

2pAO7: *Frequency dependent effects of environmental parameters on the broadband acoustic wave propagation in shallow water waveguides,* Mohsen Badiey, Dec 05, 3:20 pm-3:40 pm ROOM C3.5

2pAO4: *Estimation of surface layer and Pacific summer water properties from acoustic transmissions in the Beaufort duct using a*

tomographic array during 2016–2017, John Colosi, Dec 05, 2:00 pm-2:40pm, ROOM C3.5

Biomedical Acoustics (BA)

2aBA: *Acoustical Imaging and Myopia,* Sally McFadden, Dec 05, 10:40am - 11:00am, ROOM C2.1

2pBA: *Deep learning—based microbubble localization towards improved super-resolution ultrasound,* Scott Schoen, Dec 05, 3:40pm - 4:00pm, ROOM C2.2

4pBA: *Mechanical disintegration of benign and malignant tumors in ex vivo human prostate tissues using boiling histotripsy,* Vera Khokhlova, Dec 07, 3:00pm - 3:20pm, ROOM C2.1

Engineering Acoustics (EA)

1pEA4: *Acoustic scattering from spatiotemporally-modulated domains,* Michael Haberman, Dec 04, 2:00pm - 2:20 pm, ROOM C2.4

3pEA1: *Machine Learning based Flexible Piezoelectric sensor,* Keon JaE Lee, Dec 06, 1:40pm - 2:00 pm, ROOM C2.4

4pEA3: *The UNSW Tip Clearance Flow Noise Test Rig,* Manuj Awasthi, Dec 07, 1:40pm - 2:00pm, ROOM C2.4

Musical Acoustics (MU)

3aMU2: *Didjeridu acoustics: a review,* John Smith, Dec 6, 8:20am - 8:40am, ROOM C2.2

4pMU7: *Exploring Gen in MaxMSP: Approaches to virtual analog and wavetable synthesis,* Shaikat Hossain, Dec 7, 3:20 pm - 3:40 pm, ROOM C2.2

5aMU1: *Towards data-driven physical modeling synthesis,* Champ Darabundit, Dec 8, 8:00 am - 8:20 am, ROOM C2.2

Noise (NS)

2aNSa: *AeroFeathers: Feathered Airfoils Inspired by the Quiet Flight of Owls,* William Johnston, Dec 05, 9:00 am - 9:20 am, ROOM C3.3

3pNSb: *What's that noise - found it! sometimes....,* John Baldassano, Dec 06, 3:20 pm - 3:40 pm, ROOM C3.3

5pNSa: *Rocket noise: What does it mean for Australian spaceports?*, Kent Gee, Dec 08, 1:00 pm - 1:20 pm, ROOM C3.3

Physical Acoustics (PA)

1pPA12: *Long tunnel noise propagation*, Lachlan Woolf, Dec 4th, 5:00pm-5:20pm, Room C3.1

3sPA1: *Acoustic cavitation detection in biomedical and underwater systems*, Julianna Simon, Dec 6th, 9:00am-9:20am, Room C3.1

4pPA4: *Optimal Design of fibrous materials for sound absorption*, Tao Yang, Dec 7th, 2:00pm-2:20pm, Room C3.1

Psychological and Physiological Acoustics (PP)

1pPP5: *Studies of multisensory integration in sound localization and updating of auditory spatial attention during head motion*, Ewan MacPherson, Dec 04, 2:40 – 3:00 PM, Cockle Bay 2

2aPPb4: *Speech intelligibility and hearing aid benefit in a living room: comparison of real and simulated acoustics*, Julia Schütze, Dec 05, 9:00 – 9:20 AM, Cockle Bay 2

4aPP5: *Towards audiovisual scene analysis and object formation*, Adrian KC Lee, Dec 07, 9:20 – 9:40 AM, C2.2/C2.3

Structural Acoustics and Vibration (SA)

1aSA: *Sound energy-based surface contribution analysis for the vehicle interior noise problem*, Caglar Gurbuz, Dec 04, 11:20-11:40am (AEDT), Room C2.5

1pSA: *Comparing user human comfort vibration on key commuter cycling routes in Melbourne Australia*, Simon Ritchie, Dec 04, 4:20-4:40pm (AEDT), Room C2.5

3aSA: *Optimization of a structural Acoustic Black Hole embedded in a stringer-stiffened composite laminate panel*, Anna Moorhouse, Dec 06, 10:20-10:40am (AEDT), Room C2.5

Speech Communication (SC)

1pSC: *Phonetics of Under-Documented Languages II*, Benjamin Tucker, Marija Tabain and Richard Wright, Dec 04, 1:15pm - 3:40pm, COCKLE BAY 1

2aSC3: *The Listen to Learn for Life (L3) Assessment Framework*, Kiri Mealings, Dec 05, 8:40am - 9:00am, COCKLE BAY 1

5aSCb: *Voice Therapy: Science and Clinical Efficacy I*, Zhaoyan Zhang, Michael Dollinger, Catherine Madill, Dec 08, 10:20am - 12:00pm, COCKLE BAY 1

Signal Processing in Acoustics (SP)

4pSP4: *Seabed classification using acoustic signals: a decision tree approach*, Zoi-Heleni Michalopoulou, Dec 7, 2:00-2:20pm (AEDT), ROOM C3.2.

2aSP5: *Dynamic Neural Network Switching For Active Noise Control Of Nonlinear Systems*, Xander Pike, Dec 5, 10:20-10:40am (AEDT), ROOM C3.2.

3pSP4: *Silent speech recognition using data augmentation based on a three-dimensional lip model*, Kenko Ota, Dec. 6, 2:00pm-2:20pm (AEDT), Room C3.2

Underwater Acoustics (UW)

1pUW1: *Three-dimensional raytrace modeling of the New England seamounts acoustics experiment*, Thomas Jerome, Dec 04, 1:00pm – 1:20pm, ROOM C3.6

2pUW10: *Effect of a low sound speed sediment layer on seismo-acoustic propagation in the New England Mud Patch*, Jade Case, Dec 05, 4:40pm – 5:00pm, ROOM C3.6

4pUW2: *Waveguide Invariant Navigation of an Autonomous Underwater Vehicle*, Junsu Jang, Dec 07, 1:20pm – 1:40pm, ROOM C3.6