

100 WAYS TO LISTEN

100 WAYS TO LISTEN explores the art and science of sound at the Queensland Conservatorium Griffith University. The program features performances, interactive installations and sonic interventions across South Bank for World Science Festival 2017.



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**EXPLORE
THE ART AND
SCIENCE
OF SOUND
AT WORLD
SCIENCE
FESTIVAL
BRISBANE
2017**



**TIME CRYSTALS –
PERFORMANCE**

**Friday 24th March
4.45–5.35pm**

QCGU Foyer

Time Crystals, composed by Erik Griswold, performed by Clocked Out, Ensemble-in-Residence at Queensland Conservatorium, Griffith University; with introduction by Dr. Erik Streed, Physics Future Fellow, Griffith University.

Inspired by a 2012 article by Nobel-winning physicist Frank Wilczek about the idea of perpetually moving, multi-dimensional structures, Time Crystals transmutes the principles of hard science into felt structures of sound. “We’re taking the idea of crystal shapes, angles and lattice structures that we can visualise, and transferring that to sound design” composer Griswold says. “What’s important to me is not duplicating the mathematical structure but trying to capture the idea of the time crystals in sound.”

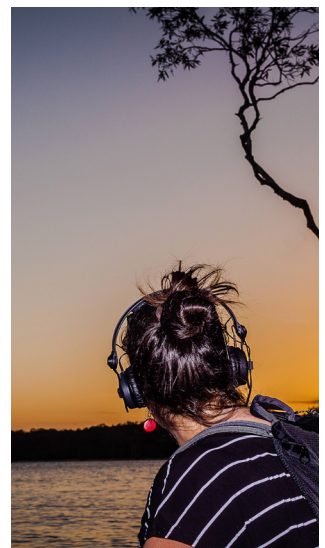
This performance consists of 13 musical propositions, each exploring ways to apply the ideas of perpetual motion, pattern and crystalline structures to musical forms, creating music that is minimalist at heart but rich and beautiful in execution. Using an intricately designed constellation of percussive and pianistic sounds, Erik Griswold and Vanessa Tomlinson create a kaleidoscope of shifting sound colours.

**SONIC
ENVIRONMENTS –
PERFORMANCE**

**Friday 24th March
7:30pm–8:45pm**

QCGU Boardroom

Explore the ecological, social and cultural contexts of our sonic environments through immersive new music and sound art inspired by science, nature, changing climates and interdisciplinary research. The program features Daniel Blinkhorn’s multi-award winning compositions drawing on soundscapes from the Arctic region, Leah Barclay’s 3D immersive sound environment ‘Hydrology’ and ‘Between my sky and your water’ — a work connecting the geography, culture and ecology of Latin America with Nordic regions by Ricardo Dal Farra.





SONIC PLAYGROUND

Saturday 25th March
10am–6pm

The Music Technology department fill Queensland Conservatorium with interactive sound installations and hands-on sonic experiments. Sonic Playground will have two focuses: 1) Live — technology as instrument, using electronic and digital tools to experiment with sound in its most lively and touchable form 2) Immersive — surround-sound and virtual reality experiences at the intersection between the real and the imagined. Audiences can encounter new musical instruments, embedded computers, gaming interfaces, virtual reality headsets, surround-sound environments, and new ways of listening. There is a lot to touch, much to hear, and a lot to learn, so come and be experimental with us in the Sonic Playground! Featured artists include John Ferguson, Andrew Brown, Leah Barclay, Mauricio Iregui, alongside students of Music Technology @ QCGU.

SONIC ENVIRONMENTS – INSTALLATIONS

Saturday 25th and
Sunday 26th March
10am–6pm

Queensland Conservatorium
Research Centre, IMERSD
Live Room and Room 3.63,
Music Technology (level 3)

Explore augmented reality sound walks stretching throughout South Bank, listen beneath the surface of global river systems and interact with 3D sound environments in UNESCO Biosphere Reserves. The Sonic Environments program features immersive experiences intersecting art and science that investigate the acoustic ecologies of global ecosystems. This includes an interactive chair that allows you to explore continuously changing environments such as the soundscapes of the Great Barrier Reef and the Amazon Rainforest. Featured artists include Daniel Blinkhorn, Leah Barclay, Ricardo Dal Farra and Mauricio Iregui.



THE SOUND OF 84 PIANOS – PERFORMANCE

Sunday 26th March
11:15–11.45

Can you imagine the sound of 84 pianos, performing simultaneously?

Crashing tone clusters, droning arpeggios, and fragments of tunes fill the halls, hallways, practice rooms, nooks and crannies of Queensland Conservatorium in a never-before attempted mass piano performance. Using all the pianos at the Queensland Conservatorium in-situ, this work will literally sound the building, and provide audiences with a chance to explore and compare acoustic spaces. A choose-your-own adventure entry into a piece of new music, composed specially for this event by Erik Griswold. This performance has been devised and directed by Assoc. Prof. Vanessa Tomlinson. Performers include esteemed faculty Natasha Vlassenko, Oleg Stepanov, Yitzhak Yedid, Jenni Flemming, Stephen Emmerson, Shelli Huscombe alongside students and alumni from QCGU.

In 2017, **100 WAYS TO LISTEN** will feature discussions, performances, interactive installations, immersive sonic environments, sound walks, publications, exhibitions and virtual reality experiences. These sonic interventions will unfold throughout the year culminating in a publication launching on World Listening Day, July 18 2017.

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clocked out



100 Ways to Listen is a curatorial project supported by Griffith University. The program for World Science Festival Brisbane has been conceived and developed by Vanessa Tomlinson, John Ferguson and Leah Barclay at the Queensland Conservatorium Research Centre Griffith University.

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