

# 3MT DOCTORAL HEATS 2023

## EVENT OVERVIEW



THE UNIVERSITY OF  
**WAIKATO**  
*Te Whare Wānanga o Waikato*

# OVERVIEW OF THE 3MT COMPETITION

The Three Minute Thesis (3MT®) is an academic competition developed by The University of Queensland (UQ), Australia for research students.

The 3MT competition is for higher degree research candidates enrolled in the PhD, EdD, SJD or DHSc programmes.

The competition challenges candidates to present a compelling oration on their thesis and its significance in just three minutes in language appropriate to an intelligent but non-specialist audience. This presentation should address the following questions:

- What are you researching?
- Why are you researching this topic?
- What are the values or outcomes of your research?

The purpose of the 3MT Doctoral Competition is to encourage students to develop and demonstrate their ability to communicate about the research they are undertaking and the wider social, community, political, scientific and/or economic value of that research.

It also provides an opportunity to disseminate the research findings to audiences who might otherwise not even become aware of projects being undertaken.

3MT is not an exercise in trivialising or 'dumbing-down' research but forces students to consolidate their ideas and crystallise their research discoveries.

The finalists of the 3MT Doctoral Heats will go on to present at the University of Waikato 3MT Doctoral Final on **Tuesday 8 August 2023** from 6.30pm in the Concert Chamber of the Gallagher Academy of Performing Arts, Hamilton.

The winner of the 3MT Doctoral Final will represent the University of Waikato at the 2023 Virtual Asia-Pacific 3MT Competition on **Monday 25 September 2023** for the Asia-Pacific 3MT Semi-Finals and potentially, **Wednesday 18 October 2023** for the Asia-Pacific 3MT Finals.

# SCHEDULE

**Date:** Thursday 6 July 2023

**Time:** 9.00am – 12.00pm

**Venue:** MSB.1.01, Waikato Management School, Hamilton Campus

**Hosts:** Te Mata Kairangi School of Graduate Research

## EVENT FORMAT

8.00am – 8.15am	Set up
8.20am – 8.50am	Entrants testing slides in MSB.1.01
8.50am	Judging panel briefing (Room 1.15)
8.50am	Doors open for audience
9.00am	Welcome from the Dean, Te Mata Kairangi School of Graduate Research, Professor Karin Bryan
9.10am	<b>Heat 1:</b> Nine entrants
10.05am	10 min Break
10.15am	<b>Heat 2:</b> Eight entrants
11.05am	Judges Deliberation (30 mins to determine winner and runner up) whilst tea and coffee is provided in foyer for the audience and entrants
11.35am	Audience to move back in to MSB.1.01 for announcement of finalists
11.40am	Judges provide feedback and announce the finalists to move forward to the University of Waikato 3MT Doctoral Final
11.50am	Finalists to remain in venue for photos

## MC AND JUDGES



### **MC:** Professor Karin Bryan

Professor Karin R Bryan is the Dean of Te Mata Kairangi, School of Graduate Research at the University of Waikato. Previously, she was Director of the Environmental Research Institute at the University of Waikato and Assistant Dean in the School of Science. Karin Bryan is a physical oceanographer, specialising in coastal dynamics and sediment transport. Since arriving at the University in 2002, she has completed a wide range of research projects, covering mangroves, wave climatology, rip currents, estuarine tidal dynamics and sediment stability. Karin has graduated 23 PhD and 29 MSc students and written 140+ peer-reviewed papers to support this work. Her latest work is on the TAILO Environmental Data Platform with the Artificial Intelligence Institute at Waikato led by Prof Albert Bifet, where she is working on combining dynamical modelling and remote sensing to optimize predictability in the coastal environment.

[waikato.ac.nz/staff-profiles/people/kbryan](https://waikato.ac.nz/staff-profiles/people/kbryan)



### **JUDGE 1:** Associate Professor Te Taka Keegan

Associate Professor Te Taka Keegan is the Associate Dean Māori, within Rorohiko Me Ngā Pūtaiao Pāngarau School of Computing & Mathematical Sciences.

Te Taka's general research interests include traditional navigation, Māori language technologies, indigenous language interfaces, multi-lingual usability, and is currently focusing on the use of Te Reo Māori in a technological environment.



## **JUDGE 2: Dr Alison Campbell**

Dr Alison Campbell is an Honorary Fellow of the University of Waikato.

Dr Campbell served the University of Waikato for 23 years in her capacity as Senior Tutor, then Lecturer and then Senior Lecturer, as Associate Dean (Teaching & Learning) for Science Engineering, as a University Council member and as a Faculty representative on many of the University's committees.

In the wider community, she has been an advocate for science, encouraging those outside academia to engage in scientific investigation and using science to explain topical health issues.

Dr Campbell is well known for promoting science to community groups and schools. She established Café Scientifique in Hamilton and reaches a wide audience with the Sciblogs-syndicated blog.



## **JUDGE 3: Dr Rangihurihia McDonald**

Dr. Rangihurihia McDonald (Ngāti Maniapoto) is the Pou Ārahi at the University of Waikato Library. Her current work is focused on Māori student and staff equity, biculturalism, Te Tiriti o Waitangi and anti-racism within the Library. Dr. McDonald is a kaupapa Māori researcher who has recently defended her PhD thesis which focussed on mātauranga whakatere waka (traditional Pacific voyaging knowledge) and climate change.

Outside of work Rangihurihia enjoys the gym, live music, card games, road trips, walks and relaxing at home in Waitomo.



# CONTESTANTS

The 2023 3MT Doctoral Competition contestants are listed below in the order that they will deliver their 3MT presentations.

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| 1 | <b>Soniya Raju</b> - School of Engineering<br><i>Electronic circuitry for shaping current pulses for small-scale transcranial magnetic stimulation (TMS) coil</i> |
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| 2 | <b>Jessica Leov</b> - Te Kura Whatu Oho Mauri School of Psychology<br><i>A Light in the Dark; Investigating Fetal Visual Perception</i> |
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| 3 | <b>Zhenshan Xu</b> - School of Management & Marketing<br><i>Does Theme Park Type Matter in the Experience-Emotion Relationship?</i> |
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| 4 | <b>Christian Quimelli</b> - Te Kura Toi Tangata School of Education<br><i>Music and Science: Improving student engagement through Art and Electronics</i> |
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| 5 | <b>Rebecca Connor</b> - Te Aka Mātuatua School of Science<br><i>The effects of management on the welfare and behaviour of captive kiwi</i> |
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| 6 | <b>William Allouche</b> - School of Engineering<br><i>Low carbon and circular economy in New Zealand's built environment</i> |
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| 7 | <b>Emma Passey</b> - Te Kura Aronui School of Social Science<br><i>Lake Whatumā: Stories that Heal</i> |
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| 8 | <b>Sam Eltahan</b> - School of Management & Marketing<br><i>Addressing information gaps and value misalignment in the Circular economy</i> |
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| 9 | <b>Vance Farrow</b> - School of Engineering<br><i>Battery Health, modeling the future of energy storage</i> |
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- 6 THE UNIVERSITY OF WAIKATO

### 10 Minute Break

- 1 **Brenda Farias da Silva** - Te Kura Aronui School of Social Science  
*Exploitation of Brazilian women in the Guyana Region: Securitization, migration, and the sex market*
- 2 **Amber Bell** - Te Aka Mātuatua School of Science  
*Heavy metal pollutants and honey bee health*
- 3 **David Trye** - Rorohiko Me Ngā Pūtaiao Pāngarau School of Computing & Mathematical Sciences  
*From Heatmaps to Hypergraphs: Analysing Language Data in Aotearoa*
- 4 **Youjeong Jang** - Te Kura Aronui School of Social Science  
*Mobility of Urban Diversity Policy: Between Rhetoric and Reality*
- 5 **Larissa Kopf** - School of Engineering  
*Unveiling Hidden Truths: The Hunt for Defects with Thermography*
- 6 **Rachel Burbach Crawford** - Te Aka Mātuatua School of Science  
*Effects of environmental and behavioural factors on fish swimming performance and passage success*
- 7 **Zac Isaac** - Rorohiko Me Ngā Pūtaiao Pāngarau School of Computing & Mathematical Sciences  
*Womb with a view: using Monte Carlo methods to simulate light transmission through multi-layered maternal tissue*
- 8 **Roshana Kamran** - Te Kura Aronui School of Social Science  
*Exploring bullying against university teachers in Pakistan: A corrosive workplace issue*

# GENERAL INFORMATION

## ELIGIBILITY

All currently enrolled University of Waikato candidates in a PhD, EdD, DMA, SJD or DHSc programme who have reached Confirmed Enrolment (Part 2 EdD, SJD, DHSc), as well as those candidates whose thesis is under examination are eligible to enter. Candidate's must be currently enrolled or be under examination during the heats and the Asia-Pacific 3MT final competition and are not eligible to enter if they are on suspension. Graduates are not eligible to apply for this event.

## RULES

- Presentations are limited to 3 minutes and competitors exceeding 3 minutes are disqualified.
- Presentations are to commence from stage.
- Presentations are considered to have commenced when a presenter starts their presentation through speech (timing does not include the 3MT title slide and commences from when the competitor starts speaking).
- A single static slide is permitted in the presentation (no slide transitions, animations or 'movement' of any description). The slide is to be presented from the beginning of the oration.
- The 3 minute presentation must be continuous.
- No additional props (e.g. costumes, musical instruments, laboratory equipment and animated backgrounds) are permitted.
- Presentations are to be spoken word (e.g. no poems, raps or songs).
- No additional electronic media (e.g. sound and video files) are permitted.
- The decision of the adjudicating panel is final.



## JUDGING CRITERIA

Each competitor will be assessed on the judging criteria listed below. Each criterion is equally weighted.

### 1. Comprehension and Content:

- Presentation provided clear background and significance to the research question
- Presentation provided clear positionality of the presenter to the research and research approach
- Presentation clearly described the research strategy/design and the results/findings of the research
- Presentation clearly described the conclusions, outcomes and impact of the research

### 2. Engagement and Communication:

- The oration was delivered clearly, and the language was appropriate for a non-specialist audience
- The PowerPoint slide was well-defined and enhanced the presentation
- The presenter conveyed enthusiasm for their research and captured and maintained the audience's attention.

## OTHER THINGS TO CONSIDER

Your presentation should consider any Intellectual Property (IP) issues. If content is embargoed or sensitive, your presentation will need to be structured to avoid compromising this.

### Disclaimer

The University of Waikato reserves the right to withdraw any candidate from this competition if they do not meet the eligibility criteria or are found to have breached University of Waikato protocol, either by plagiarising part or all of their presentation or acting in a manner that does not promote fair competition.

### Terms and Conditions/Publicity Consent

All entrants must read the terms and conditions/publicity consent document. A copy of this can also be found at the back of this document.

# FREQUENTLY ASKED QUESTIONS

Do you have a question about the 3MT competition? You might find your answer in the list below. If you still require further information, please email the School of Graduate Research at [3MT@waikato.ac.nz](mailto:3MT@waikato.ac.nz).

**Q. What will the 3MT Masters winners receive?**

A. The overall winner will receive a \$500 cash prize and the runner up will receive a \$250 cash prize.

**Q. Can I bring props along?**

A. No.

**Q. Can I use sound or video?**

A. No.

**Q. Can I use animations in my PowerPoint slide?**

A. No. Your slide must be static.

**Q. Is the 3MT Masters Competition open to the public?**

A. Yes, it is open to the public and competitors. We encourage you to bring support, as well as to watch fellow competitors.

**Q. Can I present by video conference?**

A. No, all competitors must present in person.

**Q. What do you mean by one slide?**

A. See: 'Rules' under the General Information section.

**Q. What happens if my presentation goes over the allocated three minutes?**

A. You will be disqualified.

**Q. Is there an official Time-Keeper?**

A. Yes, you will be timed using a timer on an iPad (or equivalent), and this will be visible to you at all times while you present. When you have 30 seconds remaining, the Time-Keeper will raise a orange baton, so you have another prompt that it is time to wrap up your presentation.

**Q. If I was a 3MT contestant last year, can I enter again this year?**

A. The overall winners and runners-up from previous competitions will not be permitted to compete again this year. All other contestants can enter provided they meet the eligibility criteria.

**Q. Is there somewhere I can find examples of previous 3MT presentations**

A. Yes, you can watch the 2022 University of Waikato 3MT Doctoral Final via the following link: [youtube.com/watch?v=yRvQ\\_7W1ail](https://youtube.com/watch?v=yRvQ_7W1ail)

# 2023 3MT DOCTORAL TERMS AND CONDITIONS

## 3MT DOCTORAL TERMS AND CONDITIONS

By entering the competition, you accept these terms, conditions, criteria for entry and competition rules. 2. All currently enrolled University of Waikato Doctoral (active PhD and Professional Doctorate (Research)) candidates who have reached Confirmed Enrolment (Part 2 EDD, SJD, DHSc) by the date of their first 3MT presentation, as well as those who are under examination by the date of their first presentation are eligible to enter. Participants must be enrolled in their University of Waikato Doctorate or be under examination for the duration of the competition (Thursday 6 July 2023 to Wednesday 18 October 2023). Graduates and candidates on suspension are not eligible. 3. Entries must be received no later than 4.00pm, Friday 16 June 2023. 4. All entrants must be available to attend the University of Waikato 3MT Doctoral Final on Tuesday 8 August 2023 as well as the 2023 Virtual Asia Pacific 3MT Doctoral Competition. The Virtual Asia-Pacific 3MT Semi-Finals online showcase will be on Monday 25 September 2023 and the Virtual Asia-Pacific 3MT Finals on Wednesday 18 October 2023. If the winner is unavailable to compete in the Virtual Asia-Pacific 3MT competitions, the runner-up may be invited to represent the University instead. 5. All presentations for the University of Waikato 3MT Doctoral Heats and the University of Waikato 3MT Doctoral Finals must be delivered in-person in front of the judging panel. Presentations cannot be pre-recorded or delivered via video-conference. 6. You must agree to abide by the guidelines for using one static PowerPoint slide to assist your presentation. No transitions or other props will be allowed. 7. You must agree with the University of Waikato Marketing, Publicity Consent and Release Declaration (below). 8. The University of Waikato reserves the right to disqualify any entrant if they do not meet the eligibility criteria or are found to have breached University of Waikato protocol, for example, by either plagiarising part or all of their presentation or acting in a manner that does not promote fair competition. 9. The Judges' decisions are final and no correspondence will be entered into. 10. The University of Waikato reserves the right to use the winners' names and photos for promotional purposes. 11. The overall winner will receive a \$1000 cash prize, as well as an entry into the 2023 Virtual Asia Pacific 3MT Competition. 12. The runner up will receive a \$500 cash prize. 13. The people's choice winner will receive a \$500 cash prize. 14. The 2023 Asia Pacific 3MT Doctoral Competition has confirmed that this will be a virtual event with video submissions, so in-person attendance is not required for this competition:

[three.minutethesis.uq.edu.au/asia-pac/2023](https://three.minutethesis.uq.edu.au/asia-pac/2023)

## MARKETING, PUBLICITY CONSENT AND RELEASE DECLARATION

I grant permission to the University of Waikato to use any written material/photographs/video/audio (Material) of, or about me for marketing or publicity purposes which the University deems appropriate including, but not limited to, prospectuses, brochures, advertising, websites, mobile web, iTunes U, and print or online media.

I acknowledge that some of the Material may contain my personal information. I confirm that such personal information is accurate, correct and complete. Under the Privacy Act 1993, I authorise the University to hold, use and disclose my personal information contained in the Material for its marketing and publicity purposes. I also acknowledge that I may at any time request access to my personal information and request the University to correct it where applicable.

I agree and acknowledge that the authorisations contained in this form do not relinquish my rights (whatever that may be) in the Materials and that the authorisations provided in this form shall remain until revoked by me in writing to the University. Where the University receives written notice revoking such authorisations, the University undertakes to remove the Material from its systems and cease any further use of such Materials.

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