

# Mobility Network's 5-Minute Thesis Competition Launch



January 26, 2024

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# 5MT COMPETITION



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Presents...

LAUNCHING JANUARY  
2024  
BOTH MASTER'S AND  
DOCTORAL-LEVEL  
STUDENTS ARE ELIGIBLE.

Made possible by the generous financial contributions of Alex Ariza

In five minutes or less, convey the essence of your thesis to a panel of judges/diverse audience using a presentation.

## WORKSHOPS

WE WILL HOST 3 WORKSHOPS TO HELP STUDENTS PREPARE AND SUBMIT THEIR VIRTUAL SUBMISSIONS:

WORKSHOP #1 - INTRODUCING THE COMPETITION RULES, ELIGIBILITY, DETAILS, FAQ

WORKSHOP #2 - COMMUNICATING YOUR RESEARCH

WORKSHOP #3 - CREATING AN ONLINE THESIS PRESENTATION

## Rules

- 5MT PRESENTATIONS MUST REPRESENT THE PRIMARY RESEARCH THE STUDENT CONDUCTED IN THEIR GRADUATE PROGRAM.
- COMPETITORS MUST BE AVAILABLE FOR THE AWARDS CEREMONY AND AGREE TO BE VIDEO-RECORDED AND PHOTOGRAPHED FOR PUBLIC USE
- COMPETITORS MUST SUBMIT THEIR 5MT ONLINE VIA MOBILITY NETWORK'S FORM.
- THE DECISION OF THE ADJUDICATING PANEL IS FINAL.

You're  
eligible if  
you are:



- REGISTERED IN A GRADUATE PROGRAM AT TIME OF THE 5MT COMPETITION (MADE PROGRESS ON RESEARCH)
- A GRADUATE STUDENT DOING A MAJOR RESEARCH STUDY
- A MASTERS/PHD STUDENT WHO HAS DEFENDED, BUT HAVE NOT YET CONVOCATED

## CASH PRIZES!

FIRST PLACE ... \$500  
SECOND PLACE ... \$350  
THIRD PLACE ... \$200



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## *What is the 5MT Competition?*

This competition is a unique opportunity for graduate students to showcase their innovative and significant mobility related research to a wider audience, across disciplines within the University. There will be cash prizes for the top 3 winners.

This competition is made possible by the generous financial contributions of Alex Ariza, Manager, Intelligent Systems, IBI Group

## *A bit about Alex Ariza*

Alex Ariza has over ten years of transportation engineering experience spanning software systems planning, design, and deployment, traffic management center operations, special event logistics and operations, and field data collection.

Alex completed their Bachelor of Applied Science in Engineering Science (Infra option) in 2009.

Alex then achieved their Master of Applied Science in Civil Engineering in 2011.

Thesis: A Comparison of Travel Time Savings Achieved by a Load-Order Constrained, Volume Constrained, and Unconstrained Consolidated Delivery Scheme

Supervisor: Matt Roorda



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# *Eligibility*

- Students must be registered in a graduate program at the time of the 5MT competition, and must have made some progress on their research and analysis. All graduate students completing research around mobility/mobility related implications are encouraged to participate.
- 5MT presentations must represent the primary research the student is conducting during the course of their graduate program.

## Competitors must:

- be available for the awards ceremony (either virtually or in-person) and agree to be video-recorded and photographed
- Allow those video-recordings and photographs to be made public.
- Submit their 5MT online via Mobility Network's form.
- attend at least 2/3 prep workshops to be eligible for this competition



# *Rules*

- One PowerPoint slide with voice over is permitted.
- The slide is to be presented from the beginning of the oration and remain in view for the duration of the oration.
- Presentations are limited to 5 minutes maximum and competitors exceeding 5 minutes are disqualified.
- The presenter must be in view at some point in the presentation
- Presentations are to be spoken in standard oratory prose (i.e., no poems, raps or songs, other than those that may be the target of research).
- The decision of the adjudicating panel is final.

# Awards

- There will be 3 cash prizes:
- 1st place will receive \$500
- 2nd place will receive \$350
- 3rd place will receive \$200





# *Workshops*

Mobility Network will offer 3 sessions in preparation of the submissions for the 5MT competition:

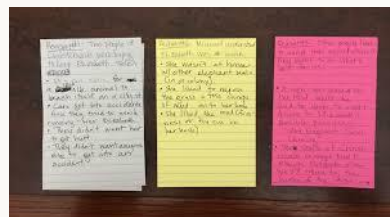
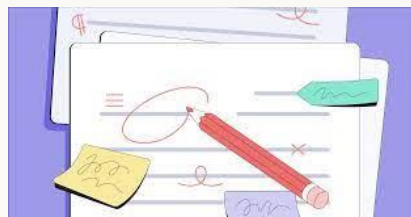
- "Workshop" 1: FAQ's and Launch (you're here today!)
- Workshop 2: Communicating your Research in 5 minutes or less (we'll help you be concise!)
- Workshop 3: Creating an Online Thesis Presentation (we have the equipment to record & upload your presentations, and will show you how to edit your video)



# 5MT Competition Events:

## Workshop #1

Launch & FAQ's  
Jan 2024



## Workshop #2

Communicating your research  
Feb 2024

## Workshop #3

Creating an Online Thesis  
Presentation  
March 2024



## Awards Ceremony



# Examples of excellent thesis competition submissions



**Chintan Sanjeev Advani**  
*Faculty of Engineering*

How to solve the traffic congestion problem:  
A predictive process



 the university  
for the real world

 #QUT3MT

The poster features a dark blue background with a pattern of small white dots. The text is in white and light blue. A circular portrait of the author is on the right side.

# Examples of excellent thesis competition submissions

The Aorta  
The Heart

Healthy Aorta  
iPS

Induced Pluripotency

Skin Cell → Stem Cell → Smooth Muscle Cell

Where I study      How I study it      What I do

Yale  
OCS  
CSAS & Perinatal

# *Examples of excellent thesis competition submissions*



# FAQ's

**Q: How will the presentations be evaluated?**

A: The adjudicating panel will be provided with the following rubric. Competitors will be provided with an overall score out of 14.

## SCORING CALIBRATION:

1 Does not meet expectations	2 Demonstrates competency but some major weaknesses	3 Demonstrates competency but some significant weaknesses	4 Good, but some flaws	5 Very good, only very minor flaws	6 Excellent, almost flawless	7 Outstanding, no flaws
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# FAQ's

## 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

Score out of 7



# FAQ's

## 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

Score out of 7

## OVERALL SCORE

/14

## COMMENTS



## FAQ's

**Q: When will the submission form open for this competition?**

A: The form will open next week, with submissions being accepted until April 30th, 2024.

**Q: Can our submission have a length of less than 5 minutes?**

A: Yes. As long as the submission does not exceed 5 minutes, less than 5 minutes is fine.

**Q: Can we do a voiceover of just our PowerPoint slide?**

A: The submission requires a view of the presenter at some point during the video. Voiceover is permitted.



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# FAQ's

**Q: When will the award winners be announced?**

A: Winners will be announced in mid-May 2024.

**Q: When will the Awards Ceremony take place?**

A: The Awards Ceremony will take place in June, 2024. All three winners will be expected to be in attendance (either in person or virtually) as a condition of receiving the cash prize.

**Q: Who will be on the adjudicating panel?**

A: This will be decided after the final submission date of April 30th, 2024.



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*Thanks for joining us! Stay tuned for the next session...*

On Feb 23rd...

Bring your research paper/materials/notes or big topics and ideas, and we will help you draft a script and communicate to a laymen audience.