



# GRADUATE RESEARCH

## IN THE SPOTLIGHT

Wednesday, March 18

[ontariotechu.ca/3mt](http://ontariotechu.ca/3mt) #OntarioTech3MT

 **OntarioTech**  
Graduate &  
Postdoctoral Studies

 **3MT**® **THREE  
MINUTE  
THESIS**  
FOUNDED BY THE UNIVERSITY OF QUEENSLAND

# WELCOME TO 3MT®!

## HEATS

Wednesday, March 18

Business and IT Building, RBC Meeting Place, Room 1055

Tune into the [livestream!](#)

## SCHEDULE

9:30 to 9:40 a.m.	Welcome
9:40 to 10:05 a.m.	Heat One
10:05 to 10:15 a.m.	Break
10:15 to 10:45 a.m.	Heat Two
10:45 to 10:55 a.m.	Break
10:55 to 11:20 a.m.	Heat Three
11:20 to 11:30 a.m.	Break
11:30 to 11:55 a.m.	Heat Four
11:55 to 12:20 p.m.	Judges Deliberation
12:20 p.m.	Finalists Announced
12:30 p.m.	Lunch

## PRIZES

<b>WINNER</b>	<b>\$1,000*</b>
<b>RUNNER-UP</b>	<b>\$500</b>
<b>PEOPLE'S CHOICE</b>	<b>\$250</b>

\* And the chance to compete at the provincial finals to be held at Brock University.

# JUDGING CRITERIA

## COMMUNICATION (GRADED OUT OF 100 POINTS)

- Did the graduate student use non-verbal communication (i.e. voice modulation, body language) effectively?
- Did the graduate student use language that was jargon-free, or if jargon was used, was it accompanied with an explanation to make terms understandable to a non-expert audience?
- Did the presentation follow a logical sequence?
- Did the graduate student use their three minutes effectively? Did they elaborate too long on a particular aspect? Did the presentation feel rushed or incomplete?

## COMPREHENSION (GRADED OUT OF 100 POINTS)

- Did the presentation help you to understand the methodology behind the scholarly research being undertaken?
- Did the graduate student clearly outline the nature and purpose of their research?
- Did the graduate student clearly indicate the fascinating or compelling aspects of their research?
- Did the graduate student provide an understanding of the background and significance to the research question being addressed?
- Did the graduate student clearly describe the impact and/or results of the research, including any conclusions and outcomes, or further steps to be taken??

## ENGAGEMENT (GRADED OUT OF 100 POINTS)

- Was the presentation engaging? Did the graduate student use creative language and storytelling to capture and maintain the audience's attention?
- Did the graduate student convey enthusiasm for their work?
- Was the graduate student careful not to trivialize or generalise their research?
- Did the PowerPoint slide create intrigue without dividing your attention – was it clear, legible, and concise?
- Did the presentation inspire you to want to know more?

# PARTICIPANTS

## HEAT 1

### **Katrina Mamenta**

MASc in Nuclear Engineering  
(Major in Nuclear Power)

Powering the Global South:  
Unlocking Nuclear Finance  
for Emerging Economies

### **Melissa Handford**

Forensic Psychology

Does Context Matter? Assessing  
Victim Decisions to Report  
Non-Consensual Intimate  
Image Distribution

### **Cordelia Adams**

Applied Bioscience

What's in This? Fluorometric  
and Colorimetric Detection of  
Toxic Heavy Metals

### **Kailey Haskell**

Social Practice and Innovation

Building Collaborative Pathways  
for Gen Z Youth Engagement in  
Community-Based Arts and Culture  
Programming

### **Paul Oladapo**

MASc Mechatronics Engineering

KeyGloves: Wearable Keyboard &  
Mouse System  
Can wearable keyboard systems  
enable efficient and ergonomic  
desk-free computing?

## HEAT 2

### **Nathaniel Lamain**

Health Sciences (PhD) - Kinesiology

'This is how I play': A qualitative think  
aloud study

### **Hameeda Onigemo**

MEng Mechatronics Engineering

A Personalized Framework for Real-  
Time Monitoring of Human Physical  
State During Physical Activity

### **Jasmine Cossette**

Forensic Psychology

Assessment of Neural Network Activity  
During Rest and Sustained Attention in  
Psychopathy

### **Kushan Lulbadda Waduge**

Doctor of Philosophy in Electrical  
and Computer Engineering

Protection of Solid-State Transformer-  
Enabled EV Charging Stations in DC  
Microgrids

### **Jessica M. Biasin**

MSc Forensic Psychology

Developmental Patterns of Honesty  
from Childhood to Adolescence: A  
Six-Year Longitudinal Investigation

# PARTICIPANTS

## HEAT 3

### **Taylor Anthony**

PhD in Forensic Psychology

When Maybe Feels Like Too Much: Intolerance of Uncertainty in Adolescence

### **Maryam Ashraf**

Health Sciences (MHSc)

- Community, Public and

Population Health

What's in the Bottle? How Everyday Products May Be Disrupting Women's Hormones

### **Janani Balasubramanian**

Materials Science

Listening to Small Molecules: Big Clues for Women's Health

### **Kristen McKinnon**

Masters of Social Practice and Innovation

Advocating for Inclusion: Empowering Caregivers to Uphold Autistic Children's Legal Right to In-person Education in Ontario

## HEAT 4

### **Guadalupe Blanco-Velasco**

PhD Forensic Psychology

Uncovering Key Differences Between False and (Presumed) True Confessions

### **Rafia Kouser**

Mechanical Engineering

Turning Steel Mill Smoke into Power: Quantifying Industrial Waste Heat for Energy Recovery

### **Sonia Mirza**

Master of Health Sciences (MHSc), CPP

Code Red for Dementia: Can the quality of our blood play a role in cognitive impairment?

### **Amber Rizvi**

Kinesiology (MHSc)

Effects of Force Feedback on Brain Activity and Motor Performance in Virtual Reality Medical Training

### **Mitra Hekmat**

Electrical and computer engineering

Removing the Bottleneck of Wireless Cooperation

# LEARN MORE

Visit [ontariotechu.ca/3mt](https://ontariotechu.ca/3mt) to learn more about our participants, judges, 3MT® history, official rules and qualifications, and to watch videos from past competitions.



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