

**CODING,  
COMPUTATIONAL  
MODELLING, &  
EQUITY  
IN  
MATHEMATICS  
EDUCATION  
SYMPOSIUM**

APRIL 27-29, 2023  
BROCK UNIVERSITY

# SCHEDULE

**WEDNESDAY  
APRIL 26, 2023**

## Professional Development Day for Teachers

12:00 pm-1:00 pm – WH Atrium

Registration

1:00 pm-3:30 pm – PD Workshops

PD Day Workshops

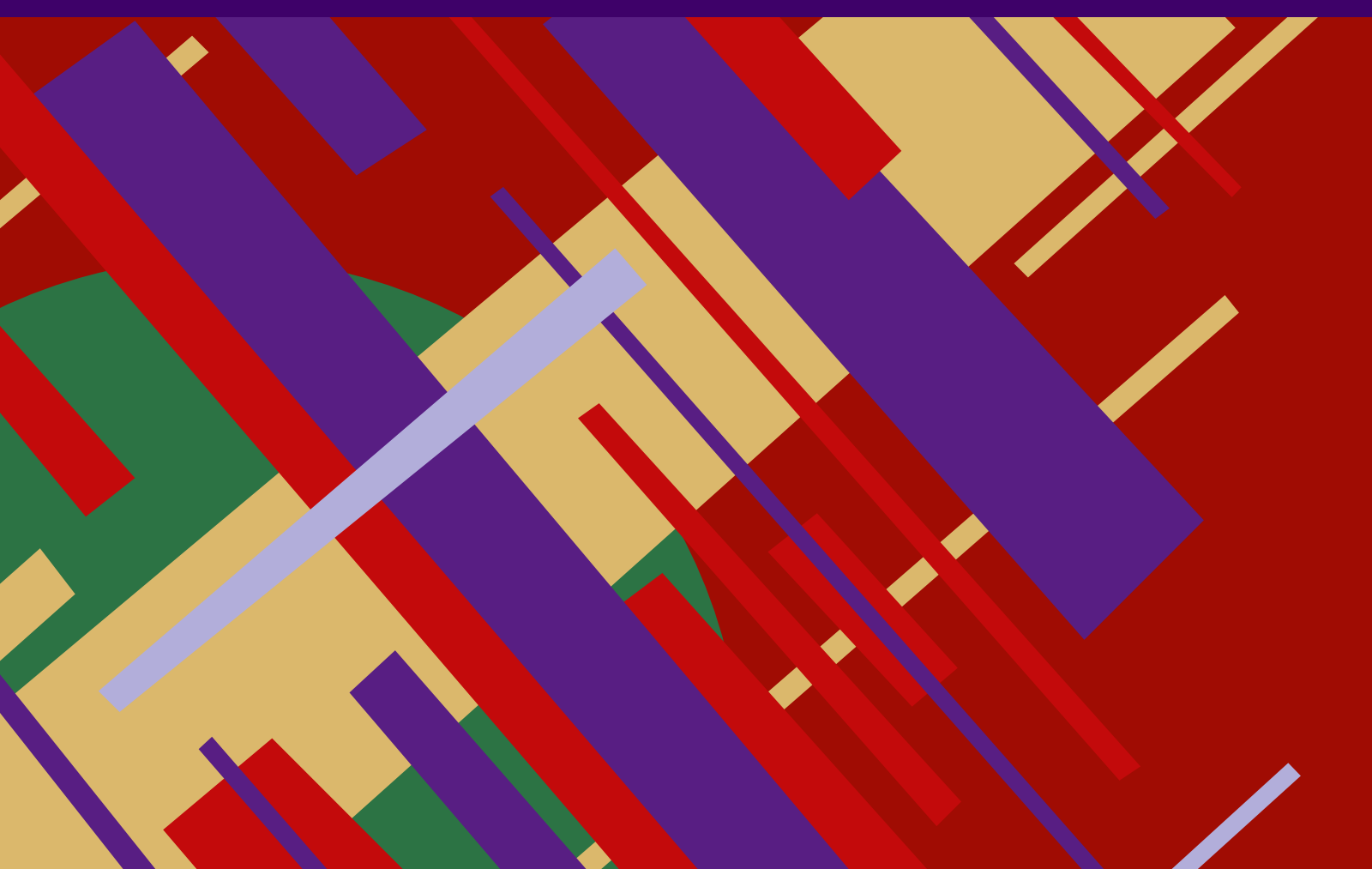
3:30 pm-4:00 pm – WH Atrium

Coffee Break

4:00 pm-6:30 pm – WH Atrium

PD Day Workshops

12:00 - 12:50	Registration, Directions, Welcome						
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7
1:00 - 2:00	Scratch & Scratch Jr (P/J) –	Microbits meets Mathematics (P/J)	AI & Scratch	Arduino in the Classroom	Integrating Coding in the Curriculum with TVO (Primary)	Incorporating Data Visualization Exercises Gr 5-12	Designing with Tinkercad
2:15 - 3:15	Bloxel (P/J)	Microbits meets mathematics (P/J)	AI & Scratch	Arduino in the Classroom	Integrating Coding in the Curriculum with TVO (Junior)	Our Journey of Coding through Listening and Storytelling	Micro:bits and STEM
3:30 - 4:00	Registration, Directions, Welcome [Coffee Break]						
	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7
4:00 - 5:00	Micro:bit K-8 (P/J/I)	Teaching Statistics in Math and Science with Code (I/S)	Computer Science in the K-8 Canadian Curriculum	The Art of Coding	Integrating Coding in the Curriculum with TVO (Intermediate)	Our Journey of Coding through Listening and Storytelling	Designing with Tinkercad
5:15 - 6:15	Cospaces AR/VR (K-8) (P/I)	Introduction to Artificial Intelligence for Educators and Artists Gr 5-12	Micro:bit (I/S)	The Art of Coding	Integrating Coding in the Curriculum with TVO (K-8)	Ozobots (J/I)	Coding: It's for More Than Just Math and Science
6:15 - 6:30	Closing and symposium invitation / reminder						



**THURSDAY  
APRIL 27, 2023**

## **Symposium Day 1**

12:00 pm-2:00 pm – GSB\* Atrium  
Registration + Coffee + Light Lunch

2:00 pm-3:00 pm – GSB Atrium  
Opening Ceremony

3:15 pm-5:15 pm – TH 256-259\*\*  
Working Groups

5:15 pm-7:00 pm – Market  
Dinner

7:00 pm-9:00 pm – GSB Atrium  
Keynote: Andrea diSessa  
Reaction: Brent Davis

9:00 pm – RFP\*\*\* Atrium  
Wine and Cheese Reception

\*GSB—Goodman School of Business

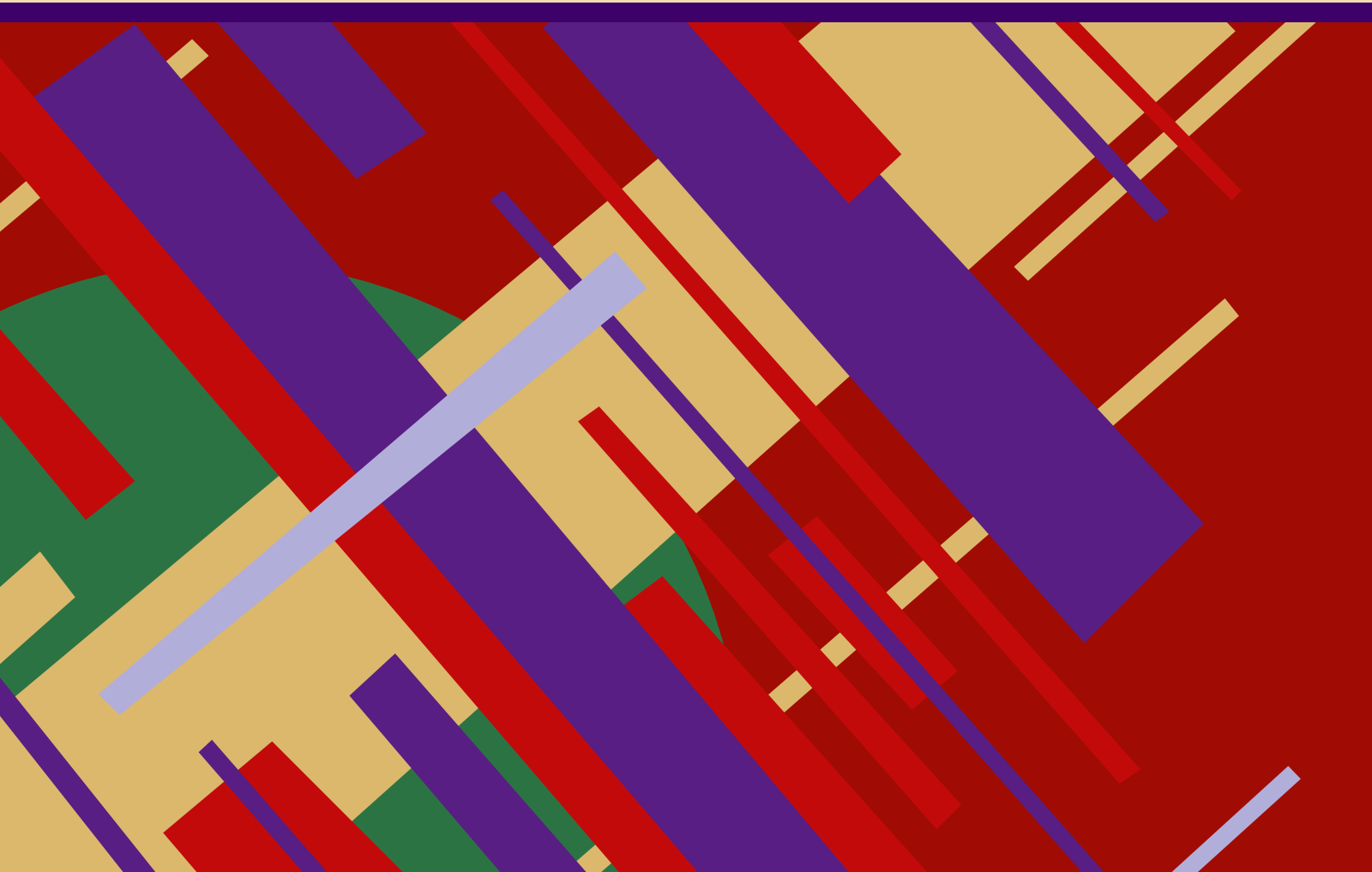
\*\*Working Groups

WG Elementary/Early Years (TH256)

WG Secondary/University (TH257/TH258)

WG Equity, Diversity, Inclusivity (TH259)

\*\*\*RFP—Rankin Family Pavilion



**FRIDAY  
APRIL 28, 2023**

**Symposium Day 2**

8:30 am-9:30 am – GSB Atrium

Registration

9:00 am-10:30 am – TH 256-259

Working Groups

10:30 am-11:00 am – GSB Atrium

Coffee Break

11:00 am-1:00 pm – GSB Atrium

Panel Discussion: *How do computational thinking and mathematical thinking interact?*

1:00 pm – RFP Atrium

Lunch

1:45 pm-3:00 pm – RFP Atrium

Poster Session + Coffee & Dessert

3:00 pm-4:30 pm – TH 256-259

Working Groups

4:30 pm-5:00 pm – GSB Atrium

Coffee Break

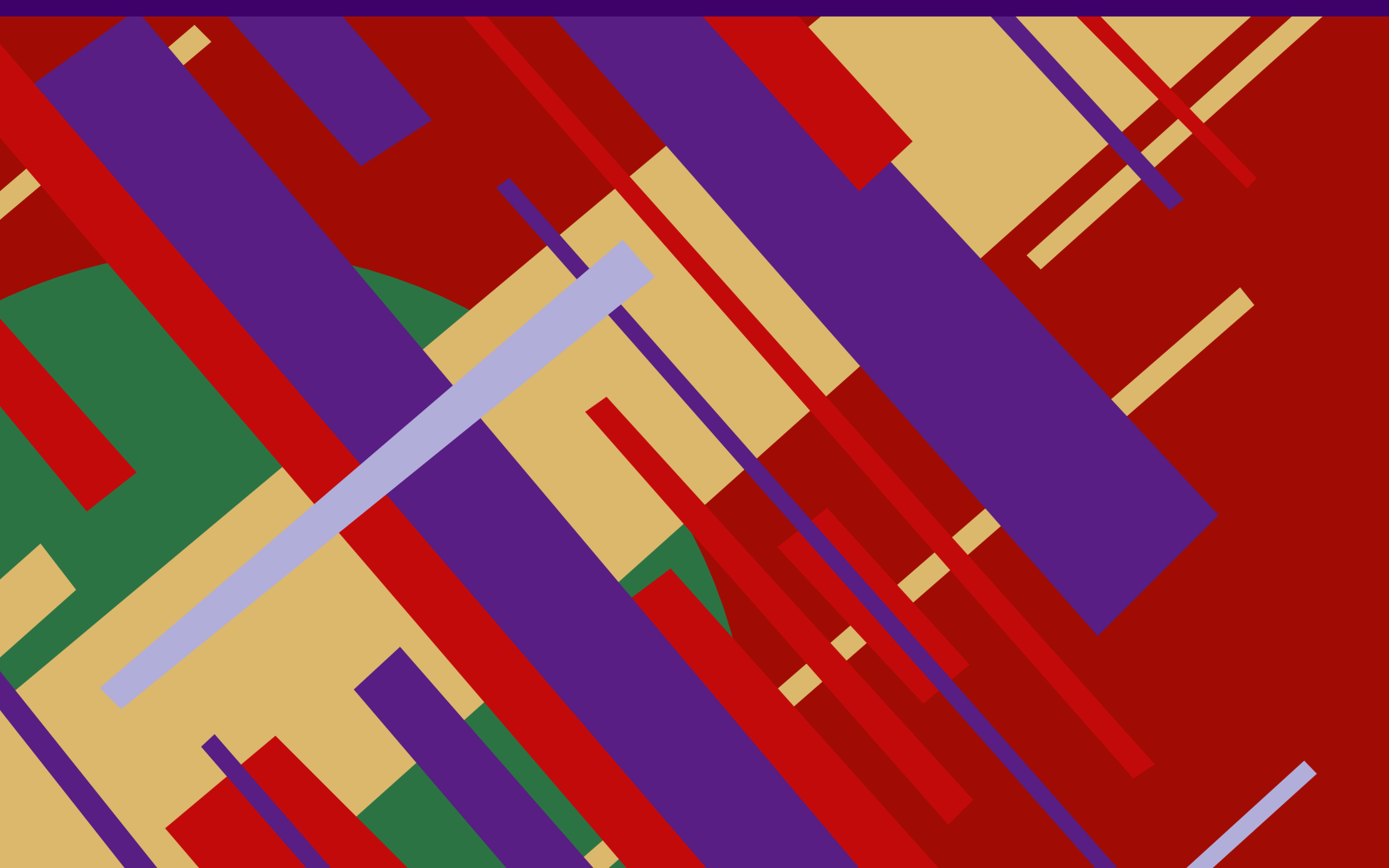
5:00 pm-7:00 pm – GSB Atrium

Keynote: Gideon Christian

Reaction: Ron Eglash

7:00 pm – Pond Inlet

Dinner



**SATURDAY  
APRIL 29, 2023**

**Symposium Day 3**

8:30 am-9:30 am – TH 256-259

Working Groups

*Live-streamed with the Fields MathEd Forum*

9:45 am-10:00 am – GSB Atrium

Welcome and Start of the Fields MathEd Forum

10:00 am-11:30 am – GSB Atrium

Panel Discussion: *What are the challenges and opportunities of integrating coding in mathematics classrooms?*

11:30 am-12:00 pm – GSB Atrium

Reaction: Dr. Richard Noss

12:00 pm-1:00 pm – RFP Atrium

Lunch

1:00 pm-2:00 pm – TH 256-259

Working Groups

2:15 pm-3:30 pm – GSB Atrium

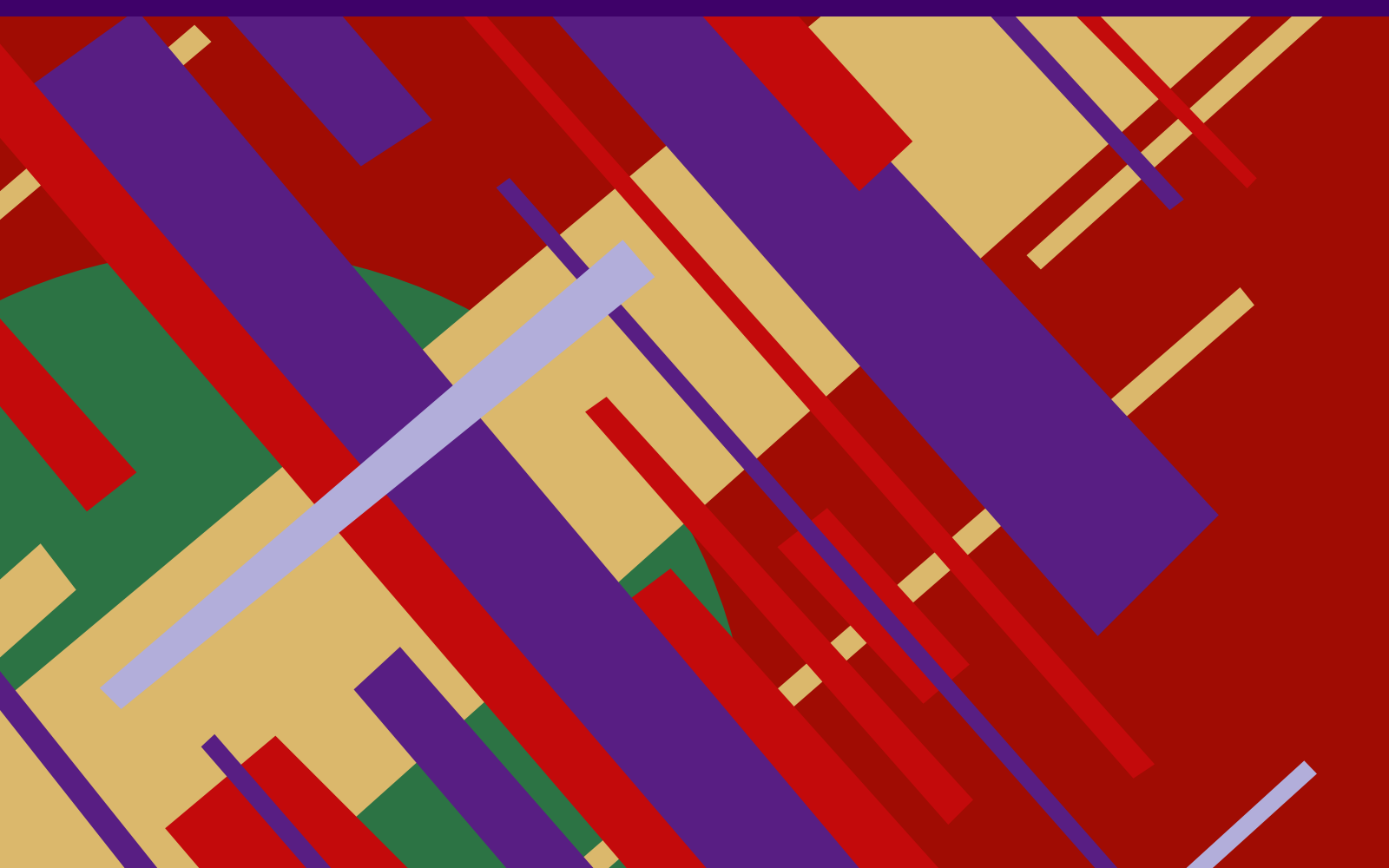
Working Group Reports and Discussion

3:30 pm

End

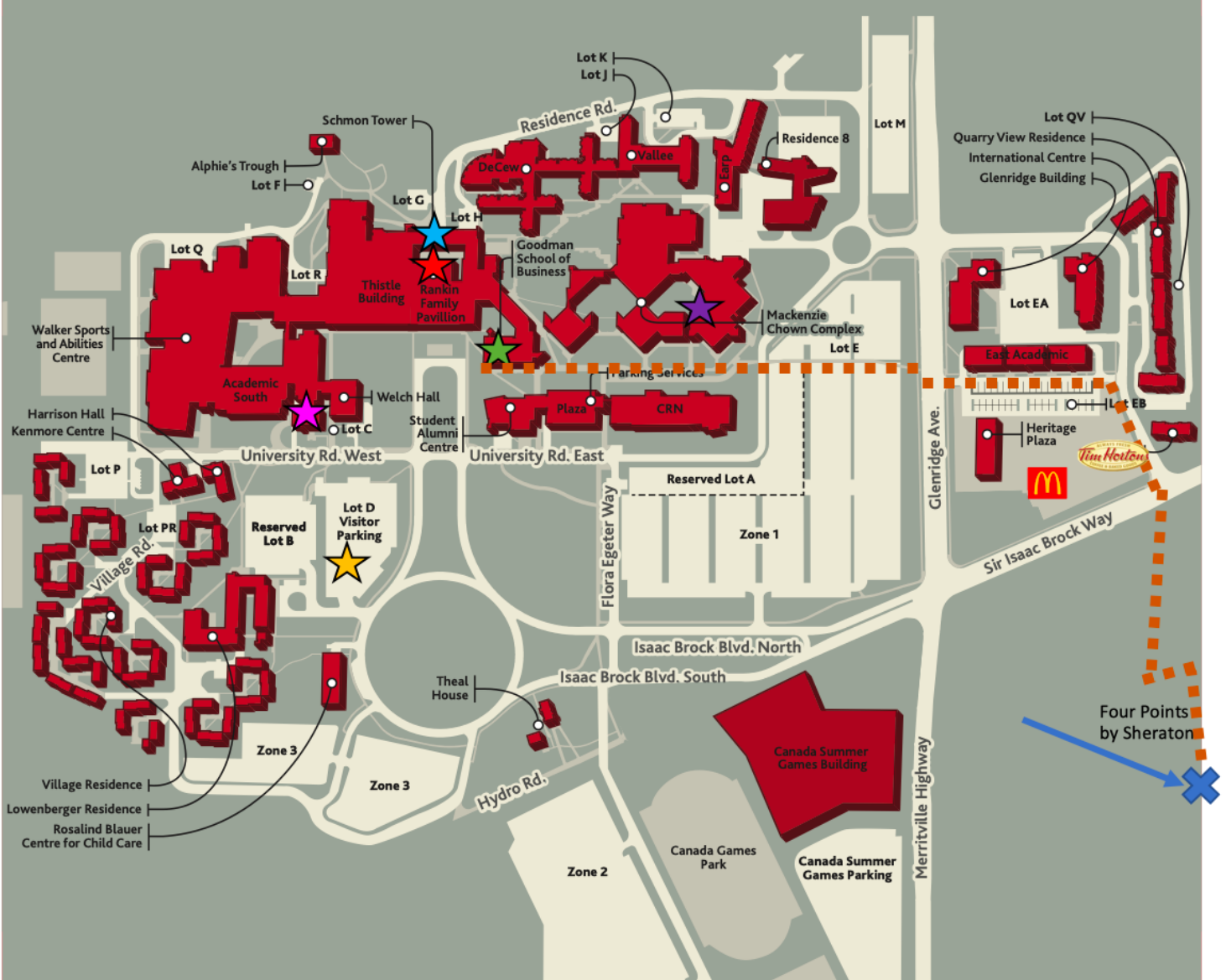
4:00 pm

Optional Tour to Niagara Falls





# WELCOME TO BROCK CAMPUS MAP



-  Parking (Lot D)
-  PD Day Registration (Welch Hall Atrium)
-  Symposium Registration (Goodman School of Business Atrium)
-  Rankin Family Pavilion Atrium
-  Thistle 256-259 Rooms
-  Pond Inlet

**Brock**  
University

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PD Day & Symposium

April 26 & 27-29  
Brock University