

CCI RESEARCH SYMPOSIUM PROGRAM

WEDNESDAY OCTOBER 16

09:30 AM - 4:30 PM

Symposium Attendee Tours

5:30 PM - 6:00 PM

Registration

5:30 PM - 6:00 PM

Welcome & Opening Remarks

- *President David Farrar, McMaster University, CCI Co-Chair*
- *President Lincoln Edwards, Northern Caribbean University, CCI Co-Chair*
- *President Gervan Fearon, George Brown College, CCI Co-Founder and Past CCI Co-Chair*

Opening Keynote

Honourable Mia Amor Mottley, SC, MP – Prime Minister of Barbados

6:30 PM - 7:00 PM

Q&A and Discussion/Panel (Interactive)

- *Ms. Elizabeth Thompson, Barbados' Ambassador Extraordinary and Plenipotentiary with Responsibility for Climate Change, Small Island Developing States and Law of the Sea*
- *Senator Julie Lashell Adderley, President of The Senate of The Bahamas, Climate Advocate*
- *Dr. Elon Cadogan, National Project Coordinator, Caribbean Community Climate Change Centre (CCCCC)*

7:00 PM - 8:00 PM

Reception and Cocktail Mixer

THURSDAY OCTOBER 17

08:00 AM - 9:00 AM

Registration & Breakfast

09:00 AM - 9:30 AM

Welcome & Opening Remarks

- President David Farrar, McMaster University, CCI Co-Chair
- President Lincoln Edwards, Northern Caribbean University, CCI Co-Chair
- Pro-Vice Chancellor Sandra Maynard, University of the West Indies, Mona

09:30 AM - 10:00 AM

Plenary Keynote Speaker

- Ms. Elizabeth Thompson, Barbados' Ambassador Extraordinary and Plenipotentiary with Responsibility for Climate Change, Small Island Developing States and Law of the Sea

10:00 AM – 10:30 AM

Panel Discussion and Q&A

- Senator Julie Lashell Adderley, President of The Senate of The Bahamas
- Dr. Elon Cadogan, National Project Coordinator, Caribbean Community Climate Change Centre (CCCCC)

10:30 AM – 10:45 AM

Morning Break

10:45 AM – 12:00 PM

Climate Change Mitigation and Adaptation Strategies

- LiDAR and RGB-based methods with crown-based allometric equations to estimate biomass

Kangyu So, McMaster University

- Enhancing Climate Vulnerability Assessments in the Caribbean: A Machine Learning Approach to Improving Multidimensional Vulnerability Indices

Andrew Kemp, McGill University

- Educating for Future Decision-Makers: Use of Climate Solutions Simulation as an Education Tool Kay-Ann Williams, George Brown College

Kay-Ann Williams, George Brown College

- Exploring African perspectives on Climate Geoengineering engagement: A System Governance Approach

Hosea Patrick, McMaster University

- Canadian Wildfires and Carbon Emissions

Zilong Zhong, McMaster University

THURSDAY OCTOBER 17

12:00 PM– 12:30 PM

Session Wrap-up and Q & A

12:30 PM– 1:30 PM

Lunch Break

1:30 PM

Keynote Speaker

Dave Tucker, Chief Nuclear Officer & Associate VP Nuclear, McMaster University

McMaster Net Zero Community Vision

Dr. John Preston, Nuclear Strategic Advisor to the VP Research, McMaster University

An introduction to Small Modular Reactor

Dr. Jim Cotton, McMaster University

Thermal Networks & Energy Harvesting

2:10 PM– 2:30 PM

Session Wrap-up and Q & A

2:30 PM– 3:00 PM

Alternative Energy Technologies and Solutions

- Experimental investigation of humified hydrogen in Solid Oxide Fuel Cells

Mercy Budu, McMaster University

- Innovation, Prosperity, Sustainability, Vibrancy: Partnerships for the Future

Krista Holmes, George Brown College

- Transition Towards De-Carbonization in the Logistics Sector: Case Study of Hydrogen-Based Transportation Management Systems and Refrigeration Units

Aysegul Ozbakir Acimert, George Brown College

THURSDAY OCTOBER 17



3:00 PM– 3:30 PM

Session Wrap-up Q & A

3:30 PM - 3:45 PM

Tea-Time Break

3:45 PM - 5:00 PM

Health and Climate Change

- Racism and urban environmental stress: creating a mental health crisis for Black youth

Beverly-Jean Daniel, McMaster University

- A Mind Under Pressure: Exploring the Mental Health Impacts of Climate Change

Oladimeji Malomo, Planetary Health Alliance

- Climate Change on Pregnancy Outcomes

Vedha Thilagarajan, McMaster University

- Climate Resilience and Sustainable Development: Building Resilient and Healthy Communities and Infrastructure Systems

Carlos Avendano, George Brown College

5:00 PM - 5:30 PM

Session Wrap-up Q & A

5:30 PM - 5:45 PM

Break

5:45 PM - 7:00 PM

Poster Session & Poster Judging and "Wine and Cheese"



FRIDAY OCTOBER 18



08:00 AM - 08:45 AM

Registration & Breakfast

08:45 AM - 09:45 AM

Youth Panel - Climate Justice

- Coral Reef Conservation in Barbados
Trevon Callender, CORALL and The UWI Cave Hill, Barbados
- Building resilient and healthy communities and infrastructure systems
Crystal Roberts, Crystal Clear Initiative of Trinidad & Tobago
- Feasibility of Small-Scale Hydroelectric Projects in Rural Jamaica
Getinella B. Daley, University of Technology, Jamaica
- Importance of Indigenous knowledge to address climate crisis in Central America
Sheena Zuniga, National Garifuna Council of Belize

09:45 AM – 10:15 AM

Panel Discussion and Question Period

10:15 AM – 10:30 AM

Morning Break

10:30 AM – 11:30 AM

Climate Resilience and Sustainable Development I

- KEYNOTE – Climate change and impacts on biodiversity
Dr. Swanne Gordon, Cornell University
- Climate Resilience and Sustainable Development: Nature Based Solutions
Dr. Elon Cadogan, Caribbean Community Climate Change Centre



FRIDAY OCTOBER 18

- Climate Change Mitigation and Adaptation Strategies

Dr. Angela Alleyne, UWI Cave Hill, Barbados

- Towards Building Community Resilience: Examining disaster literacy levels of residents in communities affected by repeated flooding in Trinidad and Tobago

Dr. Cheryl-Ann S. Boodram, UWI St. Augustine, Trinidad & Tobago

- Innovative approaches to reducing greenhouse gas emissions

Tammy B. Vaillancourt, George Brown College

11:30 AM - 12:00 PM

Session Wrap-up and Q&A

12:00 PM - 1:00 PM

Lunch Break & Relocation to MDCL

1:00 PM - 1:45 PM

Climate Resilience and Sustainable Development II

- Propelling Governance Action towards a Safe Anthropocene

Dr. Abioro Tunde, McMaster University

- Enhancing Climate resilience in Small Scale farming through AI and blockchain integration

Bevon Chadel Charles, Akata Farms, Grenada

- Nutrition Education and Community Health Workers for prevention of Non-communicable Diseases, and Food is Medicine in Guyana.

Dipika Desai, McMaster University

- Feasibility of Small-Scale Hydroelectric Projects in Rural Jamaica

Getinella B. Daley, University of Technology, Jamaica

1:45 PM - 2:15 PM

Session Wrap-up and Q&A

2:15 PM - 2:30 PM

Tea-Time Break



FRIDAY OCTOBER 18



2:30 PM - 3:00 PM

Panel Canada-CARICOM relations and Climate for the Future 2.0

- Canada-CARICOM Strategic partnership: Free Trade Agreement
Dustin Fergusson-Vaux, University of Waterloo
- History of Canada-CARICOM relations
Jody-Ann Anderson, University of Ottawa
- History of Canada-CARICOM relations
James Bowden, Editorial Board - Journal of Parliamentary and Political Law
- The nexus between vulnerabilities and violence in the Caribbean
Dr. Andy Knight, University of Alberta

3:00 PM - 3:30 PM

Panel Discussion and Q&A

3:30 PM - 5:30 PM

CCI Open Board Meeting & Town Hall

7:00 PM - 10:00 PM

Closing Reception, Awards and Entertainment

