



University of Technology, Jamaica

INTERNATIONAL CLIMATE CONFERENCE

Adaptation and Mitigation Strategies for Climate Departure: Managing the Crisis

CALL FOR ABSTRACTS

**THE DEADLINE FOR ORAL AND POSTER
ABSTRACT IS: JUNE 28, 2024**

For more information

Contact the Conference Secretariat:

Tel: 876-970-5338, 876-970-5279

Email: utechjclimateconference2024@gmail.com

Website: www.utech.edu.jm/climateconference2024/home.asp

17-18 OCT. 2024

@ University of Technology,
Jamaica (Papine Campus)

CALL FOR ABSTRACTS

The social and economic health of Caribbean states are intimately aligned to their climate resilience and sensitive supporting ecological systems. Rapid and abnormal change in climate and weather, have the potential to cause significant destabilization effects on the economies of States. The World Bank estimates that Jamaica, like other Caribbean states, is highly exposed to extreme weather events and climate risks. Natural disasters have cost Jamaica an estimated US\$1.2 billion between 2001 and 2010. Data from The State of the Jamaican Climate 2019 (Climate Studies Group Mona, The University of the West Indies, 2021), shows an upward trend in all three climate variables (temperature, sea level rise, rainfall and weather events such as hurricanes). It has become increasingly clear that characterizations of climate (historical and future) and associated impacts are critical to strengthening climate resilience and adaptation efforts in Jamaica.

As the climate departure curve continues its ascendancy, the entire globe faces severe threats. Small Island Developing States (SIDS) in particular, known for their less than capable resilience has to grapple with the fact that all forms of life-human, plant and animal, will not be spared its impact. The natural and built environment will continue to be tested by the ever increasing force of this phenomenon. The imperative now is to build our mitigation and adaptive strategies to manage the impact of the crisis.

This conference will therefore draw on the expertise of global, regional and local academics and professionals under the following sub-themes:

SUB THEME 1

Renewable Energy, Sustainable Technologies, Geospatial Sciences and Artificial Intelligence

SUB-THEME 2

Ecosystem Resilience and Conservation

SUB-THEME 3

Urban Resilience and Infrastructure Development

SUB-THEME 4

Climate Cooperation, Legal and Finance

SUB-THEME 5

Policy, Social Equity, Justice and Poverty Alleviation

SUB-THEME 6

Climate Education and Capacity Building

The deadline for oral and poster abstract is: **June 28, 2024**

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SUB-THEME 1 – RENEWABLE ENERGY, SUSTAINABLE TECHNOLOGIES, AND ARTIFICIAL INTELLIGENCE

Solar Power: Advancements and Applications in the Caribbean

Wind Energy: Harnessing the Wind for Sustainable Development

Bioenergy Solutions for Island Nations

Integration of AI in Energy Management Systems

Smart Grid Technologies for Resilient Power Distribution

Electric Vehicles (EVs) and Sustainable Transportation Solutions

SUB-THEME 2 – ECOSYSTEM RESILIENCE AND CONSERVATION

Coastal Ecosystem Management in the Face of Climate Change

Biodiversity Conservation Strategies for SIDS

Coral Reef Restoration and Protection

Sustainable Agriculture Practices in the Caribbean

Community-Based Conservation Initiatives

SUB-THEME 3 - URBAN RESILIENCE AND INFRASTRUCTURE DEVELOPMENT

Climate-Resilient Infrastructure Innovation, Urban Planning and Design

Infrastructure Adaptation and Retrofitting for Climate Change

Rainwater Harvesting Techniques, Adaptation Strategies and Water Management in Urban Design - apartment complexes, hospitals, educational institutions, offices.

Sustainable Transportation Solutions

Green Infrastructure and Building Technologies and Practices in Urban Environments

Community Engagement and Social Equity in Urban Resilience

Mitigating Urban Heat Island

SUB-THEME 4 - CLIMATE COOPERATION, LEGAL, AND FINANCE

Regional and International Climate Agreements and Cooperation: Challenges and Opportunities.

Climate Financing Mechanisms for SIDS: Lessons from the past options for the future.

Legal Frameworks, Youth Engagement and Empowerment for Climate Resilience

Public-Private Partnerships in Climate Adaptation

Insurance Solutions for Climate Risks

Leveraging Indigenous Knowledge and Traditional Practices for Climate Change Mitigation and Adaptation

SUB-THEME 5 - POLICY, SOCIAL EQUITY, JUSTICE, AND POVERTY ALLEVIATION

Climate Policy Coherence and Integration for Social Equity

Environmental Justice, Community-Based Climate Action, Adaptation and Resilience Building

Gender Issues and Perspectives in Climate Action

Indigenous Knowledge and Climate Adaptation

Poverty Alleviation Strategies in the Context of Climate Change

Low-carbon economy transition policies and justice

SUB-THEME 6 - CLIMATE EDUCATION INNOVATION IN GEOSPATIAL SCIENCES

Innovation in Geospatial Technologies for Climate Monitoring: Technologies, Tools, Digital Integration, Methodologies, Land Tenure, Land Management, Land Information Management, Young Surveyors

Digital Tools for Climate Education and Awareness: Literacy and Curriculum Integration

Land Tenure and Climate Resilience

Integrating Climate Data into Educational Curricula

Teacher Training and Professional Development for Climate Change

Informal and Non-formal Climate Education

Climate Education Public Awareness, Policy and Advocacy

THE UNIVERSITY OF TECHNOLOGY, JAMAICA
INTERNATIONAL CLIMATE CONFERENCE
WILL BE HELD IN KINGSTON, JAMAICA ON
OCTOBER 17-18, 2024

INSTRUCTIONS TO AUTHORS:

The conference looks forward to receiving abstracts which meet any of the following criteria:

Description of the application of Built Environment methods and sustainable technologies, such as Geospatial Sciences, to mitigate the effects of climate departure.

Description of innovative approaches in the built environment that can positively impact the management of the crisis.

Critical Analysis of the impact of Renewable Energy, Artificial Intelligence, on Sustainable Infrastructure Development.

Climate Education, Capacity Building, Finance, Social, Legal and Policy Implications for Urban & Ecosystem Resilience, Justice and Poverty Alleviation.

Abstracts should be submitted by email to the conference secretariat, by **July 12, 2024** to: **utechjaclimateconference2024@gmail.com**

Receipt of submission will be acknowledged. If you do not receive acknowledgement within three (3) business days of submission, please contact the conference secretariat.

A notice of acceptance of abstracts will be sent to the corresponding authors on or before **August 2, 2024**.

Poster presentation may be requested. However, oral presentations are encouraged and assigned by the session conveners and conference programme committee.

Submission of an abstract carries with it the obligation to give a presentation in the designated manner assigned. It also grants UTech, Ja permission to publish the abstract.

Please note that all presenters are required to register for the conference by **August 16, 2024** (early bird registration deadline) or their abstract will be withdrawn.

ABSTRACT SUBMISSION GUIDELINES:

Your abstract must **BE NO MORE THAN 250 WORDS** and must include the following:

TITLE

AUTHOR(S): List each author's full first name followed by surname. Omit degrees, titles and institutional appointments.

INSTITUTIONS(S)

EMAIL ADDRESS: Include the email address of the corresponding author.

PUBLICATIONS:

Abstracts for oral and poster presentations will be published on the conference website.

Authors are invited to submit full papers by **October 31, 2024**, to the Editorial Board of the Journal of Arts, Science and Technology (JAST), a peer-reviewed publication of the School of Graduate Studies, Research and Entrepreneurship, University of Technology, Jamaica,

REGISTRATION FEES:

2- day: US\$80 or J\$10,000* (on or before August 15, 2024)

2- day: US\$90 or J\$12,000*(after August 15, 2024)

1-day: US\$50 or J\$6,700*(on or before August 15, 2024)

1-day: US\$60 or J\$8,000*(after August 15, 2024)

Students: US\$50 or J\$6,000* (2-days), US\$30 or J\$4,000* (1-day)

UTech, Ja. Staff: J\$8,000 (2days) or J\$6,000 (1-day)

**Rates eligible for Jamaican Residents only*

SUBMIT YOUR ABSTRACTS TO THE CONFERENCE SECRETARIAT:

c/o Ms. Mareka Sutherland or Mr. Wycliffe Frater
Tel: (876) 970-5338 or (876) 970-5279
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OR VISIT OUR WEBSITE:

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