

# INTERNATIONAL COLLABORATIVE WORKSHOP

ON

# CLIMATE & URBAN BUILT ENVIRONMENT (CUBE) RESEARCH

Organized by

**School of Planning and Architecture, Vijayawada**

In collaboration with

**Centre for Built Environment Asset Management (BEAM)  
Glasgow Caledonian University, Scotland**



International Expert  
**Prof. Dr. Rohinton Emmanuel**  
Director  
The BEAM Research Centre

Cities and associated urban activities alter the temperatures, wind fields, precipitation, energy fluxes etc, in the atmosphere, deteriorating the health and well-being of occupants and quality of life. Understanding the causes and processes of urban climate modification and its impact on human thermal comfort is essential in arriving at appropriate mitigation strategies towards climate resilience in cities. Therefore, this workshop aims to provide insight into aspects such as Urban Climate, UHI Effect & Mitigation, Bio-meteorology and Thermal Comfort, Climate Modelling, Sustainable Urban Built Environments etc.

ASSESSMENTS OF  
IMPACTS OF  
CLIMATE CHANGE

QUANTIFICATION  
THROUGH FIELD  
MEASUREMENTS



ANALYSIS OF  
DATA



MODELLING



MITIGATION  
STRATEGIES FOR  
CLIMATE  
RESILIENCE



Chief Patron  
**Prof. Dr. Ramesh Srikonda,**  
Director  
SPA Vijayawada

**TIME 2:30-4:30 PM**

**Join the workshop @**  
<https://meet.google.com/abw-vqba-sqa>



**DAY 01**

**01 November 2023**

Introduction to urban  
climatology

Prof. Dr. Rohinton Emmanuel &  
Dr. Lilly Rose

**DAY 02**

**08 November 2023**

The energetic basis of  
urban climate

Prof. Dr. Rohinton Emmanuel &  
Dr. Faiz Ahmed

**DAY 03**

**22 November 2023**

Bio-meteorology &  
thermal comfort research

Prof. Dr. Rohinton Emmanuel &  
Dr. Nagaraju Kaja

**DAY 04**

**20 December 2023**

Modelling and field  
measurements in urban  
environments &  
micro-climate analysis

Prof. Dr. Rohinton Emmanuel &  
Dr. Shanmuga Priya

**DAY 05**

**10 January 2024**

Approaches to mitigation  
- urban greening, urban  
form and sustainable  
urban built environment

Prof. Dr. Rohinton Emmanuel &  
Prof. Dr. Ramesh Srikonda

**Coordinators:**

Dr. Lilly Rose A, Asso. Prof.  
Dr. Shanmuga Priya, Asso. Prof.  
Department of Architecture,  
SPA Vijayawada



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