

## 7th International Conference on Countermeasures to Urban Heat Islands (IC2UHI 2026)

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**Conference:** 7th International Conference on Countermeasures to Urban Heat Islands (IC2UHI 2026)

**Venue:** Nanjing, China

**Dates:** 22–25 September 2026

**Paper ID:** 205

**Paper Title:** *Urban Heat Patterns in Hyderabad: A Local Climate Zone-Based Approach to Identify Heat-Intensive LCZ Classes*

## Conference Participation and Paper Presentation

I attended the 7th International Conference on Countermeasures to Urban Heat Islands (IC2UHI 2026) held from 22–25 September 2026 in Nanjing, China, with financial support under the Continuing Professional Development Allowance (CPDA) of the School of Planning and Architecture, Vijayawada.

During the conference, I presented my accepted research paper, **Paper ID 205**, entitled “*Urban Heat Patterns in Hyderabad: A Local Climate Zone-Based Approach to Identify Heat-Intensive LCZ Classes.*” The study investigates the spatial and thermal characteristics of Hyderabad through the **Local Climate Zone (LCZ) framework**, with particular emphasis on identifying heat-intensive urban forms and understanding the relationship between urban morphology, land cover, and urban heat patterns.



The presentation provided an opportunity to communicate the research findings to an international audience of researchers and professionals working in the areas of **urban heat islands, urban climatology, heat mitigation, climate-responsive planning, and sustainable urban development**. The technical discussions and feedback received during the conference were valuable for further strengthening the research and exploring its implications for heat-resilient urban planning and design.

Participation in IC2UHI 2026 also provided significant academic exposure through keynote lectures, technical sessions, and interactions with international experts in urban heat research. The knowledge and insights gained from the conference will contribute to my ongoing **teaching, research, consultancy, and capacity-building activities** at SPA Vijayawada, particularly in the areas of urban climate, LCZ-based analysis, microclimate assessment, and urban heat mitigation.



The participation and presentation at IC2UHI 2026 contributed to the international dissemination of research undertaken at SPA Vijayawada and provided opportunities for academic interaction, knowledge exchange, and potential future research collaborations.

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