11th International Conference on Urban Climate

28 Aug - 1 Sept 2023
UNSW Sydney

THURSDAY 31 AUGUST 2023 POSTER LISTING

Poster no	Presenter name	Poster title
Climate-conscious design and sustainable development: Climate-sensitive urban design and planning		
01	Charbel Abboud	Cool pavements for adapting Paris to climate change
02	Mohammad Abousaeidi	Developing a decision-making tool for utilizing low-cost retrofit techniques to reduce heat gain in social housing
03	Ayu Sukma Adelia	A city-scale urban ventilation mapping tool via a spatial clustering statistical test
04	Rémy Claverie	PROOF : A collaborative project to assess the multi-scale benefits of biosolar roofs
05	Jelena Dunjić	Greening the cities – evaluating micro-scale thermal impacts of green infrastructure in urban environments
06	Jie Feng	Recent Developments of Super Cool Materials
07	Sagda Gamaledldin	Exploring The Role of Built Environment's Urban Lingering Factor in Socio-Climate-Informed Decision-Making Process of Urban Open Spaces
08	Kosuke Kittaka	Study on thermal environment planning for Osaka Expo site
09	Kelvin Li	Microclimate modelling for upstream urban planning and design
10	Shuang Liu	Modeling the impacts of reflective paving on building façade temperatures for typical residential neighborhoods in Phoenix Arizona
11	Mengrong Lu	Quantifying cooling benefits of cool roofs and walls applied in building clusters by scaled outdoor experiments
12	Surabhi Mehrotra	Building resilience to Heat stress vulnerabilities: Context based climate policy pathways for Indian Cities
13	Amirabdollah Nouri	Environmental Functions of Green Wall in Urban Sustainable Planning and Development
14	Gloria Pignatta	Investigating pre-cooling benefits through varying building envelope optical properties: Enhancing energy efficiency and thermal comfort in the Australian residential sector
15	Pamela Smith	Climate sensitive planning. Opportunities from the study of local climatic zones, Santiago as a case study.
16	Jeong-Min Son	Classification of urban forest types and their improvement strategies based on the atmospheric environment characteristics
17	Mingqiang Yin	An review about theof urban ventilation corridor research（UVCs） worldwide from 1981-2022
18	YunJie Zeng	Study on the Optimization of Urban Living Street Space Design Based on Microclimate Evaluation -- Taking Zhengzhou as an Example
19	Mushu Zhao	Considering urban heat in transit-oriented development planning: A perspective of station-level heat exposure in New York city subway
Integrated assessments of urban climate: Climate risks and vulnerabilities in urban systems		
20	Ryota Karube	Investigating climate-appropriate heat mitigation strategies
21	Eduardo Kruger	A review of urban climate studies in Brazil over the last two decades
Integrated assessments of urban climate: Inter-scale interaction of urban phenomena and climate		
22	Ben Crawford	Characterizing roof albedo for cool roof strategies to mitigate urban heat
23	Rui Ito	Characteristics in summertime extremely high temperature in the metropolitan area of Japan with global warming
24	Jiayuan Liao	Water-energy-vegetation nexus dominates global pattern of urban heat island intensity
25	Chandana Mitra	Investigating the Impacts of Urbanization on Micro-Hydroclimatology on Urban Agglomerations Vs Individual Cities
26	Young-San Park	Spatial variation of the occurrence of heatwave and tropical night in South Korea
27	Chenghao Wang	Modeling urban climates as complex dynamic systems
Special sessions: Nature-based solutions for sustainable, resilient and livable cities		
28	Vidya Anderson	Technological opportunities for sensing of nature-based solutions: A state-of-the-art review
29	Jiawei Fu	Optimizing Street Vegetation Arrangement in Townsville, Australia: A Nature-Based Solution for Mitigating Urban Heat in a Tropical City
30	Bert Heusinkveld	Updated and downscaled European winter hardiness maps including Urban Heat Island effects for urban tree species selection
31	Huijun Mao	Design optimization for improving the cooling effect of daylighting roof spray in hot-humid areas
32	Tobi Eniolu Morakinyo	The potential micro-climatic of a new coastal city in Lagos, Nigeria
33	Xinxian Yu	Radiative cooling: a nature-based solution for urban heat island mitigation
Urban climate methods: Field campaigns, sensor and network development		
34	Arseniy Artamonov	Eddy covariance tower in Moscow
35	Charlotte Hüser	Bochum Urban Climate and Environmental Network
36	Harro Jongen	The urban climate of Amsterdam (The Netherlands) – Results of 10 years Amsterdam Atmospheric Monitoring Supersite
37	Simone Kotthaus	PANAME – Project synergy of atmospheric research in the Paris region
38	Pavel Krč	Utilisation of the sensor network and remote sensing measurements for validation of the LES model PALM in urban area
39	Valéry Masson	Evaluation of surface air parameters at hectometric scales simulated by MESO-NH during summer 2022 and down-scaling in Paris city.
40	Sebastian Pfautsch	A new, flexible and affordable technique to document urban air temperatures at different spatial scales
41	Matthias Roth	Comparison of urban eddy covariance carbon dioxide and heat fluxes measured at two flux towers in a Mediterranean city
42	Stevan Savic	Outdoor thermal comfort conditions in diverse urban spaces of Novi Sad (Serbia): application of Mobile Micrometeorological Carts (MMCs)
43	Kanta Susaki	Can compact and low-price pin photodiode become solar radiation sensor?
Urban climate methods: Observations		
44	Charlotte Hüser	Data2Resilience: Data-driven Urban Climate Adaption – A Biometeorological Sensor Network for Dortmund, Germany