

11th International

Conference on Urban Climate



28 Aug - 1 Sept 2023
UNSW Sydney

MONDAY 28 AUGUST 2023 POSTER LISTING

Poster no.	Presenter name	Poster title
Biometeorology & health: Indoor/outdoor thermal comfort		
01	Shakir Azad	Analyses of thermal comfort in Australian cities using weather clustering methods
02	Su Li Heng	Assessing outdoor thermal comfort ranges in Singapore's urban green spaces
03	Michelle- Levenson	Where the Shadows Lay: A microclimatic shading analysis examining sidewalk users' behavior
04	Aikeen Lim	Assessing changes to pedestrian thermal comfort at ground level with Vertical Greenery Systems
05	Tzu-Ping Lin	Evaluation of thermal comfort of pedestrians under shading devices and establishment of design guideline
06	João Vasconcelos	Climate journeys: A spatial assessment of the thermal comfort using Local Climate Zones
07	Shing-Ru Yang	Winter season study of classroom thermal comfort satisfaction in the hot and humid region
Biometeorology & health: Urban environmental health		
08	Takahiro Atsumi	Detailed Spatiotemporal Distribution of Heatstroke in a Medium-Sized Japanese City using Ambulance Transport Data
09	Yijia Chen	AI-based Study of the Effects of Air Pollution and Climate in the Morbidity of Respiratory and Cardiovascular Disease in Japan
10	Yue Leon Guo	The seasonal attack patterns of childhood atopic dermatitis are related to different climatic factors
11	Le Liu	Interactive effect between temperature and fine particulate matter on cardiovascular disease deaths in the urban area of Zhengzhou, China
12	Zhiwen Luo	Mean Radiant Temperature and Outdoor thermal comfort in urban public spaces in Cardiff: A GIS-based approach
13	Géraldine Molina	Extreme events' impacts on city dwellers' health: towards an health integrated approach and evolution scenarios'
14	Mingming Pan	Heatwave and mortality in central China: How do increases in frequency, intensity or duration of heatwaves contribute to mortality?
15	Mahya Parchami	Too hot to play: quantifying the impacts of urban climate change on playground activity
16	Kazuki Yamaguchi	Epidemiological evaluation of the heat-related mortality risk reduction potential of air-source heat pump water heaters
Biometeorology & health: Urban microclimate and comfort		
17	Jose Gonzalez	The Impact of Heat Waves on the Risk of Mortality from Cardiovascular and Respiratory Diseases in the Elderly Population of Los Angeles.
Integrated assessments of urban climate: Integrated urban hydrometeorology, climate and environment systems and services		
18	Hyo-Been An	Air quality environmental impact assessments of urban areas using AERMOD and computational fluid dynamics models
Integrated assessments of urban climate: Urban climate vulnerability in developing countries		
19	Dyutisree Halder	Influence of Climate Change on urban slum in South-Asian Coastal Megacity: an example of Mumbai
20	Kuo-Ching Huang	land use simulation experiments for urban spatial patterns in the post-epidemic era under climate change
21	Somayeh Sadegh Koohestani	Impacts of Sand and Dust Storm on the Livability of Urban Public Spaces: Evidence from Ahwaz, Iran
22	Tobi Eniolu Morakinyo	Performance evaluation of ERA5-HEAT Universal Thermal Climate Index over Nigeria
23	Xiaoxiong Xie	Temporal and spatial population-based heat exposure in Colombo, Sri Lanka
Integrated assessments of urban climate: Urban living laboratories: use cases, successful implementation, and challenges		
24	Lutz Katzshner	Climate in the City (CCity) Research Group: approaches for applied urban climate in Latin American cities
Special sessions: Climate change, built environment and aging society		
25	Junyi Hua	A review of spatial heat vulnerability assessments in China
26	Zhixin Liu	Microclimatic measurements in tropical cities: Systematic review and proposed guidelines
Urban climate methods: Cities in global and regional scale climate models		
27	Afshin Afshari	Estimation of the impact of city-wide climate change adaptation measures using a computationally light urban canopy model forced by downscaled future projections
28	Yifan Cheng	Global 1km Urban Surface Property Dataset for Earth System Modeling
29	Tomas Halenka	Urban Environments and Regional Climate Change - CORDEX Flagship Pilot Study URB-RCC
30	Rafiq Hamdi	Brussels's climate under the Paris agreement
31	Alvin Christopher Varquez	Incorporating a detailed global anthropogenic heat emission dataset into an earth system model
Urban climate methods: Field campaigns, sensor and network development		
32	Sin Kang Yik	Meet Singapore MaRTy (SMaRTy): Biometeorological Measurements in a Tropical Rainforest Climate
33	Beatrice Ho	Analysing impacts of urban morphological variables and density on outdoor microclimate for tropical cities: A review and a framework proposal for future research directions
Urban climate methods: Urban climate informatics		
34	Lucille Alonso	Complementarity of different sources of temperature acquisition in urban areas: mental maps, participatory measurements and satellite data
35	Jin-Kyu Min	Collecting and Mapping Information on Personal Thermal Sensation through the Living-Lab Program
36	Oleh Skrynk	Using high-resolution regional reanalysis for thermal environment applications
37	Uk-Je Sung	Tree Detection Method Using Aerial Imagery and Terrestrial LiDAR Data
Urban climate policy: Knowledge transfer of urban climate		
38	Chien-Ke Cheng	An indicator of urban microclimate and urban development: a case of Taipei City
39	Pavel Konstantinov	Regular International Urban Climate Arctic Winter School (UCAWS-2022): First Results and Perspectives
40	Victoria Ramsey	Defining Urban Climate Service development along a User Journey
41	Bunleng Se	Climatological Oriented Recommendations for Phnom Penh Urban Development, Cambodia
42	Joyce Yang	A 'peer city' framework to support knowledge transfer on climate adaptation between cities
Urban climate policy: Planning and Governance		
43	Denise Duarte	Between access and excess: understanding the urban warming in the city of São Paulo
44	Denise Duarte	Urban Oasis for Adaptation to Climate Change: the challenge of cities facing heat waves

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Urban climate processes: Extreme weather and disasters in the urban environment		
45	Simone Kotthaus	Exceptional heat in the Paris region: Highlights of the unusually warm and dry spring and summer 2022
46	Takashi Kyakuno	Frequencies and intensities of torrential rain in Japanese metropolitan areas
47	Géraldine Molina	Analysis model of city dwellers' adaptive strategies to extreme weather events
48	Keishi Otomo	Urban Impact on Summertime Short-duration Heavy Rainfalls in Tokyo
49	Mikhail Varentsov	Moscow megacity impact on summer precipitation: differentiation by rainfall intensity and large-scale weather conditions
50	Chaeyeon Yi	Development of hydroplaning risk scenario on the road by rainfall intensity
Urban climate processes: Urban hydrology		
51	Hiroaki Kondo	A new water balance model for urban canopy
52	Manmeet Singh	Cause-and-effect relationships between urbanisation and meteorology under climate change
53	Mukul Tewari	Impact of urban expansion on an extreme precipitation event in a hyper-arid region