

TUESDAY 29 AUGUST 2023 POSTER LISTING

Poster no.	Presenter name	Poster title
		ble development: Climate-sensitive urban design and planning
		Comparing the microclimate conditions, cooling benefits and thermal comfort performance of different public open space systems
01	Maassoumeh Barghchi	and configurations in summer conditions under current and future climate scenarios
		e: Climate change mitigation & adaption in urban systems
02	Richa Bhardwaj	Assessment of Thermoresponsive Cementitious Composites for Urban Heat Island Mitigation
-		e: Urban climate and climate change
03	Kaja Czarnecka	The impact of the spatial development of urban parks on their thermal conditions
04	Guwei Zhang	Increasing heat risk in China's urban agglomerations
-	v	climate in urban areas, their social impacts, and mitigation
05	Shyan Naderi	Solar pre-cooling during heatwaves: reducing thermal discomfort in residential buildings
06	Hammed Opeyemi Rasaq	Hydrometeorological Drivers of Extreme Climate Events in Kano State, Nigeria
08		
-	Ziping Zuo	Future heatwave analysis in the Pearl River Delta through CMIP6-WRF dynamical downscaling
		nation to support urban mitigation policy
08	Jocelyn Turnbull	Granular greenhouse gas emissions information for Auckland, New Zealand
		of urban street trees: advances in modelling and measurement
09	Le An	CFD investigation of thermal comfort coupling vegetation's shading and transpiration under various solar radiation conditions
10	John Camarda	Urban forest microclimate: coordinated empirical surveillance to understand unique effects of tree canopy thresholds.
11	Peter Crank	Modeling the thermal benefits of increased tree canopy in the tropic climates using ENVI-met: A Case Study of Singapore
12	Denise Duarte	Climate change adaptation in dense cities: strategic implementation of street trees in São Paulo, Brazil
		Evaluating the efficiency of a WSUD device in mitigating urban tree water stress in dry season using a terrestrial thermal imaging
13	Xanthia Gleeson	method
		Study on the stomatal conductance model for the prediction of transpiration rate and leaf surface temperature distribution of a single
14	Yasuyuki Ishida	tree on typical summer days based on the result of field measurement
15	Hyunjung Lee	Significance of tree shape and magnitude to enhance human thermal comfort in different geographic locations
16	Senlin Zheng	The impact of tree species and planting patterns on the thermal comfort of streets in a hot and humid climate
Special sessi	ons: Multi-physics urban cl	imate modelling
17	Yifan Fan	Evaluating the impact of building thermal properties on urban climate through high-resolution numerical modeling using WRF/UCM
Special sessi	ons: The cooling benefits o	f blue and green infrastructure in cities
18	Kai Gao	The influence of largely implanted green roofs on cooling energy consumption of buildings
19	Nigel Tapper	TARGET Modelling of Present and Future Cooling Enabled by Integrated Water Management
20	Jing Xie	Land-surface warming and cooling effects of vegetation coverage based on local climate zones in subtropical megacities
21	Yujie Zhao	Numerical simulation of the effects of solar radiation and water evaporation on urban airflows and thermal environments
		limate networks with big data and artificial intelligence
22	Alen Kospanov	Using machine learning for a long-range urban climate downscaling
23	Xiaoxue Wang	A method for predicting urban wind field distribution using CNN and considering urban morphological parameters
24	Yiwen Zhang	A novel transfer learning framework to predict high-resolution daily urban 2m-height air temperature
Urban climate		pwdsourcing and citizen science
25	Oscar Brousse	What type of urban environments are we sensing with personal citizen weather stations?
26	Makoto Nakayoshi	Development of IoT Meteorological Sensor and its Application for Outdoor Heat Stroke Risk Assessment
27	Negin Nazarian	Combining High-Resolution Land Use Data With Crowdsourced Air Temperature to Investigate Intra-Urban Microclimate
Urban climate	e methods: Microclimate an	d CFD modelling
28	Graces Ching	Performance evaluation of ENVI-met for seasonality in a tropical urban medium-sized park
29	Da-Som Mun	Effects of micro-meteorological conditions on the airflows in case of high-rise building fires
30	Auline Rodler	Microclimatic modeling and simulation tools : an academic benchmark
31	Seok-Yong Seong	A new LES-based microscale meteorological prediction model for real urban applications
32	Matthias Sühring	On the effect of grid-bounded topography representation on the flow around buildings in the large-eddy simulation model PALM
33	Ju-Wan Woo	Development of a microscale meteorological modeling system for real urban applications
		erical studies of urban environments
34	Yueyang He	Improved Air Ventilation Assessment (AVA) for mitigating and adapting urban overheating using a city-scale LiDAR network
35	Hyeon-Joon Kim	The effect of moist air inflow in low levels near the coastal urban area on extreme precipitation with thunderstorms
36	Jonathan Lieber	Simulating urban microclimate using SLUCM and ENVI-met models: a comparison study in Hong Kong
37	Abdul Samad	Three-dimensional urban climate analysis of Stuttgart – Results of six years urban climate research
38	Xiang Tian Ho	Modeling the extent of park cool island on park size influence using ENVI-met: A Case Study of Singapore
39	Han Wang	Time series forecasting of urban air temperature by LSTM: implications for practitioners
Urban climate	e methods: Urban database	
40	Sophie Moore	Nothing but street trees - how contemporary planning practices will leave entire suburbs far below canopy cover targets
Urban climate	e methods: Wind tunnel and	I scale model outdoor experiments
41	Matteo Carpentieri	Statistical properties of neutrally or stably stratified boundary layers over the surface with a step change in urban roughness
Urban climate		nd impact assessment of extreme weather events in cities
42	Julien Bouyer	UHI variability at the district scale under summer heatwave conditions in Nancy, France
		Anthropogenic Influence on Thunderstorms in Coastal Urban Environments: The Case of Houston, TX
	Jorde Gonzalez-Cruz	
43	Jorge Gonzalez-Cruz	Performance evaluation of the high-resolution land data assimilation system (HRI DAS) during urban for episodes over National
43		Performance evaluation of the high-resolution land data assimilation system (HRLDAS) during urban fog episodes over National Capital Region of India
	Avinash Parde	Capital Region of India
43 44	Avinash Parde	Capital Region of India Measuring urban microclimate variations between residential neighbourhoods under different synoptic conditions in a humid
43 44 45	Avinash Parde Shi Yin	Capital Region of India