WEDNESDAY 30 AUGUST 2023 POSTER LISTING

Poster no.	Presenter name	Poster title
Biometeorology & health: Methods, applications, and translational research		
01	Sourabh Bal	On the Variability of biothermal conditions between Kolkata (India) and its three adjacent suburban sites
02	Gisel Guzman-Echavarria	Quantifying indoor heat stress and strain across climate contexts and adaptive capacities
03	Sangman Jo	The development of Koreans' climatic index for tourism: Cultural tourism
04	Hankyung Lee	Analysis of radiation characteristics and perceived temperature using observation data on road
05	Michal Lehnert	Mental mapping as a complementary method for improving human thermal environment in urban areas: case of three Czech cities
06	Matthias Sühring	Microscale modeling of erythemally-effective UV irradiance in urban environments using the building-resolving urban climate model PALM
Biometeorology & health: Physiological impacts of urban heat		
07	Jing Li	High Environmental Temperature: Insights into Placental Function, Fetal, Metabolomic Profiles changes Following Prenatal Exposure in Rats
08	Ayushi Sharma	The effects of extreme heat events on all-cause mortality: A case study in Ahmedabad city of India, 2002-2018
09	Ju-Young Shin	Seasonal heat adaptation on thermal perception in Seoul under heat waves
Special sessions: Local government and urban climate management		
10	Matthew Riley	Meteorological measurements in the NSW Air Quality Monitoring Network - a high quality but often over-looked source of urban climate information
11	Soheil Roumi	Thermal-energy performance of a cool centre during heatwaves
Special sessions: Mutual effects of COVID-19 pandemic lockdown measures and urban climate		
12	Benjamin Bechtel	Change in the Nighttime Surface Urban Heat Island Intensity during the first COVID-19 Lockdown: A Global Survey
13	Yuya Takane	Urban climate changes during the COVID-19 pandemic: Integration of urban- building-energy model with social big data
14	Tzu-Hsuen Yuan	The impact on air pollution and temperature by epidemic prevention policy of COVID-19 in urban area of Northern Taiwan
Special sessions: Small and medium sized cities (SMSC) - why they should be climate formed, resilient and sustainable		
15	Aveek Ghosh	Application of local climate zone classification to assess summertime surface temperature dynamics in small and mid-sized cities in central India
16	María Eugenia Martínez Mansilla	Courtyard as a singular thermal condition for the urban climate
17	Emmanuel Ndetto	Assessment of human thermal perception and adaptation measures to heat stress in warm humid climate of Zanzibar, Tanzania ar.
Special sessions: Sustainable development, urban policies and climate actions in Asia		
18	Anusha Roy	Linking Surface Urban Heat Island (SUHI) dynamics and socio-economic status of urban neighbourhoods: A cloud-based geospatial analysis for climate justice in Mumbai
Special sessions: Urban climate and air pollution		
19	Hong Chen	Comparison of the influence of urban factors on street-level PM2.5 and O3 based on mobile monitoring
20	Melissa Hart	Air quality impacts of the 2019-2020 black summer wildfires on Australian schools
21	Mengyuan Li	Haze and hospital outpatient visits: Assessment of health effects caused by the frequency, intensity and duration of haze events in central China
22	Hadas Saaroni	Dust events in urban areas in Israel – long-term trends and synoptic scenarios as a basis for climate change predictions
Urban climate methods: Urban canopy parameterizations and models		
23	Matthias Demuzere	Urban climate modelling, anywhere, at any time
24	Jung-Eun Kang	Numerical Analysis of Wind and Temperature Observation Environments at Automated Synoptic Observing Systems Located in Urban Areas
25	Wonseok Ko	WRF-CFD simulation of thermal mitigation effect of urban greening during a heatwave period
26	Xinchang Li	Improving the Urban Subgrid Building Energy Parameterization in the Community Terrestrial System Model
27	YUHUAN LI	Application of the gray-zone boundary layer parameterization in 2022 Winter Olympics
28	Jiachen Lu	Urban canopy parameterization of the non-local building effects with variable building height
29	Ko Nakajima	Improvement and application of WRF-CM-BEM to high-resolutional hindcast of summertime urban electricity consumption
30	Keisuke Nakao	Representing wind speed profile through an urban canopy with variable building height
31	Maria Tarasova	Parameterization of Urban Surface – Atmosphere Interaction: comparative review and ways of improvement
32	Natalie Theeuwes	The hectometric modelling challenge: Gaps in the current state of the art and ways forward towards the implementation of urban-scale weather and climate models
33	Chris Wilson	The effect of within-neighbourhood heterogeneity on the urban surface-energy balance
Urban climate processes: Pollutant dispersion in the urban canopy layer		
34	Hong Chen	Can national stations represent intraurban air pollution? Comparing the PM2.5 pollution of national stations and mobile monitoring
35	Harold Gamarro	Impacts of Urban Canopy Parameters on Summertime Ozone Formation in the Houston metropolitan region
Urban climate processes: Surface and canopy layer studies		
36	Lewis Blunn	The importance of land cover in O(100 m) grid length numerical weather prediction – a Pearl River Delta urban mega-conglomeration heat wave case study
37	Masoumeh Moghbel	Simulation of Sky View Factor (SVF) Impact on Outdoor Thermal Conditions (Case Study: District 12 of Tehran Municipality)
38	Esther Peerlings	Trends in "atmospheric potential" for the urban heat island effect in the ERA-5 reanalysis
39	Flavia Ribeiro	Urban heat island in a middle-sized tropical city surrounded by sugarcane agriculture
40	Hirofumi Sugawara	How should the anthropogenic heat be treated in the urban canopy model?
41	Darryn Waugh	Multi-city study of spatial-temporal variations in urban heat.
42	Xiaoshan Yang	General features of air temperature and humidity of local climate zones: A multi-city observational study in eastern China

Urban climate processes: Urban air quality		
43	Dongwon Choi	Classification of PM2.5 episode based on generation mechanisms in South Korea: comparisons between inter-regional transport and atmospheric stagnation
44	Woosuk Choi	Regional classification in the Seoul Metropolitan Area, Korea Republic, based on the PM10 concentration variability
45	Hanjoo Kim	Investigating the effect of local wind conditions on PM2.5 using Land use regression (LUR) model.
46	Taehee Kim	Inter-regional Atmospheric Transport Enhances Ozone episodes in the Downwind Area of Seoul metropolitan area, South Korea
47	Yeon-Uk Kim	Contribution analysis of vehicle exhaust and non-exhaust particulate matters on major roadways using the aerosol-CFD coupled model
48	Antonio Carlos Oscar-Júnior	Analysis of air quality and physicochemical parameters of rainwater at different sites in the metropolitan region of Rio de Janeiro
Urban climate processes: Urban greenhouse gas emissions and uptakes in cities		
49	Tatsunori Tabata	Are urban greens receiving merit of high CO2 in city?