

POSTER 2: UCD - Impact of urban forms on comfort and ventilation

Spatial variability of thermal comfort index in the Amazonian city of Belém-PA, associated with land cover characteristics, social and environmental aspects

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Climatically Adapted Piloti Arrangement and Ratio of Residential Blocks in a Subtropical Climate City

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Study on the Green Strategies of Chinese “Neo-vernacular Architecture” Design

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Microclimate Regulation by Trees in a Subtropical High-Density Urban Environment during Sunny and Cloudy Weather

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PROPOSITION OF AN INDEX QUANTIFYING THE AMOUNT OF VEGETATED FRACTION NEEDED FOR AIR TEMPERATURE CHANGES IN URBAN LOCATIONS

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Study on the Cooling Effects of Green Spaces for Improving the Outdoor Thermal Environment in the High-density Cities: A Case Study of Macau Peninsula

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The suitability of vernacular architecture principles to contemporary constructions in tropical hot-humid climate

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Influence of different urban configurations on human thermal conditions in a typical subtropical coast city: case of Santos, São Paulo

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Variability of longwave radiation in a midsize city: Experiments in free spaces in São Carlos-SP.

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Green infrastructure enhancement in Glasgow: A proposal based on Local Climate Zone evaluation of urban morphology in a shrinking city

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Cold and urban design. Challenging Russian cities

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The influence of urban geometry on thermal comfort of public open spaces for Italian climate zones

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Architectural bioclimatic analysis of kashan and presentation

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Quantification of thermal bioclimate of Erzurum based on different land uses and thermal band information

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Potential contributions of urban developments to outdoor thermal comfort conditions: The influence of urban geometry and form in Worcester, Massachusetts, USA

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Mill Avenue, Tempe, AZ Downtown Microclimate - an APA-designated Best Street

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Summer and winter thermal and comfort conditions inside a vegetated courtyard area of a Mediterranean city (Athens)

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Study of urban ventilation corridor planning method based on a case study of Guiyang, China

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STUDIES BY ASSOCIATING THE URBAN MORPHOLOGY AND THE VENTILATION: RESIDENTIAL VILLAGE OF UFRJ

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Using GIS tools to assess the urban environment influence on the particles concentration variability in Paris

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Role of Vegetation, urban morphology and building rise in air quality and urban heat island: simulations in five Parisian neighborhoods.

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POSTER 23: UDC - Building climate and energy consumption

Study on the effect of morphologic features and material properties on microclimatic development and pedestrian comfort

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Urban Microclimatic Improvement Effects to Building Blocks Energy Consumption by the Use of Energy Simulation

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A coupled modelling approach to quantify the microclimatic effects of green infrastructure on residential buildings

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Microclimate Ethnography in the Ard el Lewa Informal Quarter of Cairo, Egypt

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Simulation of indoor climate with façade dynamics & building – atmosphere interaction

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Reconceptualization of Climate Classifications and Climate Analysis Tools to Support Evaporative Building Cooling Strategies in the Hot Humid Tropics

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Urban greening and cool surfaces: the effectiveness of climate change adaptation strategies within the context of Budapest

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Studying the interaction of iranian traditional architecture with nature through Sustainable Development

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Development to the forecasting system of indoor environment using atmospheric condition of building scale

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Thermal comfort in housing under solar obstruction derived from high building in urban renovation areas.

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Potential of solar energy and the effects on the urban heat island

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Comparative Study on Traditional and Modern Urban Textures: Form, Energy and Climate

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Comparison of air temperature sensitivity of electric power consumption between Tokyo and Hokkaido region

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Modeling reduction of Urban Heat Island effect by improving radiative properties of buildings and districts

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