

## **Strategies of Spatial Optimization for Open Space in the Old-Age Friendly City: An Investigation of the Behavior of the Elderly in Xicheng Square in Hangzhou**

**Authors :** Yunxiang Fang

**Abstract :** With the aging trend continuing to accelerate, open space is important for the daily life of the elderly, and its old-age friendliness is worthy of attention. Based on behavioral observation and literature research, this paper studies the behavior of the elderly in urban open space. Through the investigation, classification and quantitative analysis of the activity types, time characteristics and spatial behavior order of the elderly in Xicheng Square in Hangzhou, it summarizes the square space suitable for the psychological needs, physiology and activity needs of the elderly, combined with the basis of literature research. Finally, the suggestions for the improvement of the old-age friendship of Xicheng Square are put forward, from the aspects of microclimate, safety and accessibility, space richness and service facility quality.

**Keywords :** behavior characteristics, old-age friendliness, open space, square

**Conference Title :** ICAUE 2019 : International Conference on Architecture, Urbanism and Environment

**Conference Location :** New York, United States

**Conference Dates :** April 22-23, 2019