**Digital Urban Planning, Its Impact on the Urban Experience,**

 **And How Can** **We Make It Better?**

Hanan Peretz

In this paper I would like to suggest how with this CIM (City Information Model) concept we can improve the urban planning process, taking into account many more parameters and thereby improving the urban experience on our city streets, especially to its main end users – pedestrians. This new approach to urban planning that takes into account our perceptual capabilities as humans, our urban habitat qualities, the experiences it conveys, and the urban systems the city maintains and contains.

To that end, I have developed a theoretical tool, which will form the basis for building an artificial intelligence model that relates to the city and all its components as a whole. The intention is to create at CIM a tool that will serve architects, urban planners and municipal decision makers and assist them in designing a better urban environment.

**Keywords:** Public space, Urban design, Social Network Analysis, Complex systems, Big Data, Artificial intelligence, CIM-City Information Model, Urban Planning