

## Urban Planning Compilation Problems in China and the Corresponding Optimization Ideas under the Vision of the Hyper-Cycle Theory

**Authors :** Hong Dongchen, Chen Qiuxiao, Wu Shuang

**Abstract :** Systematic science reveals the complex nonlinear mechanisms of behaviour in urban system. However, in China, when the current city planners face with the system, most of them are still taking simple linear thinking to consider the open complex giant system. This paper introduces the hyper-cycle theory, which is one of the basis theories of systematic science, based on the analysis of the reasons why the current urban planning failed, and proposals for optimization ideas that urban planning compilation should change, from controlling quantitative to the changes of relationship, from blueprint planning to progressive planning based on the nonlinear characteristics and from management control to dynamically monitor feedback.

**Keywords :** systematic science, hyper-cycle theory, urban planning, urban management

**Conference Title :** ICDPUM 2014 : International Conference on Development Planning and Urban Management

**Conference Location :** Venice, Italy

**Conference Dates :** April 14-15, 2014