

## SUPORTUL TEHNOLOGIC ȘI ȘTIINȚIFIC AL PLATFOMELOR UNUI SMART CITY

## THE TECHNOLOGICAL AND SCIENTIFIC SUPPORT OF SMART CITY PLATFORMS

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**Abstract:** The concept of smart city was born to give citizens an improved quality of life. The key idea is to integrate information systems in every domain, such as health, education, transport, electricity, etc., of the city to provide public services effectively and ubiquitously. The initial integration of information communication technology (ICT) into city operations has promoted telicity, the concept of information cities and digital cities. Later, the concepts of cyber-physical systems (CPS) and the Internet of Things (IoT) have set up intelligent cities that support the city's operations intelligently and with minimal human interaction. The paper also presents details of Mechatronics, which is the science of intelligent machines and the environment for smart education in the knowledge society. Mechatronics, CPS and IoT are the triangle of the smart technologies for smart cities.

**Keywords:** smart city, mechatronics, cyber-physical systems, internet of things