

## SMART CITY SERVICES DRIVEN BY IOT: A SYSTEMATIC REVIEW

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### ABSTRACT

The central role in development of information society is taken by smart cities and their novel services through the use of modern technology and smart solutions. The key enabler and driver of smart cities is Internet of Things (IoT). In this paper, we have conducted a systematic literature review in order to investigate proposed smart city services driven by IoT. We have formulated the review protocol to define the research question/s, search strategy, selection criteria, study quality assessment, and data extraction strategy. We have defined the following main research question: What are the reported applications of Internet of Things in the development of smart city services? The papers were categorized by the smart city services they proposed or described. We have recognized the following categories: traffic and transport; environment monitoring; accessibility & healthcare; waste management; public lighting; energy management; city infrastructure; and other.

*Keywords: Digital transformation; Information society; Internet of Things; Smart cities*