

Investigating the role of information security management in smart city organizations

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Abstract:

Purpose: Information security management (ISM) is proving to be an important topic in the modern world; in environments that will rely a great deal on digital technologies, such as smart cities, ISM research is of high importance and needs to be well analysed.

Design/methodology/approach: This paper indicates the criticality of ISM for smart cities through the literature, then focusses on top organisational factors influencing ISM in smart city organisations, which are embraced and justified from the literature.

Findings: This paper highlights the need for more research around ISM in the context of smart city organisations, also ISM related organisational factors that are expected to most influence smart city organisational performance.

Implications: This paper is proposed to influence more research in the area of ISM for smart cities among the research community. Additional research is also expected to further validate and examine the selected organisational factors.

Originality/value: The paper presents new information on ISM in smart city organisations, the lack of research in this area, and the criticality of the highlighted issues, creates high value for the conclusions and findings of this research. The paper also highlights top organisational factors that are expected to influence ISM in smart city organisations.