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Intelligent Water Monitoring IoT System

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The current issues of water security, economic efficiency and environmental protection worldwide along with the issue of loss control in water distribution networks are becoming increasingly important. It is important to note that both technical and economic aspects should be closely considered in the context of water losses, especially in situations of water scarcity or rapid growth in water demand.

This volume bridges the gap between theory and practice by presenting the practical applications of IoT devices, sensors, and cloud-based platforms to collect, process, and analyze data. This information was used for regression analysis which investigated dependent variables such as water saving (m^3), the flow interred network (m3), and independent variables such as water average pressure, which led to water saving.

Inside this book, you will also find:

- Explanatory figures that accompany detailed discussions on key concepts, making complex ideas accessible and understandable.
- The standard measures to ensure the safety and reliability of water systems.
- Practical advice through networked sensors, and the intelligent water monitoring IoT system.

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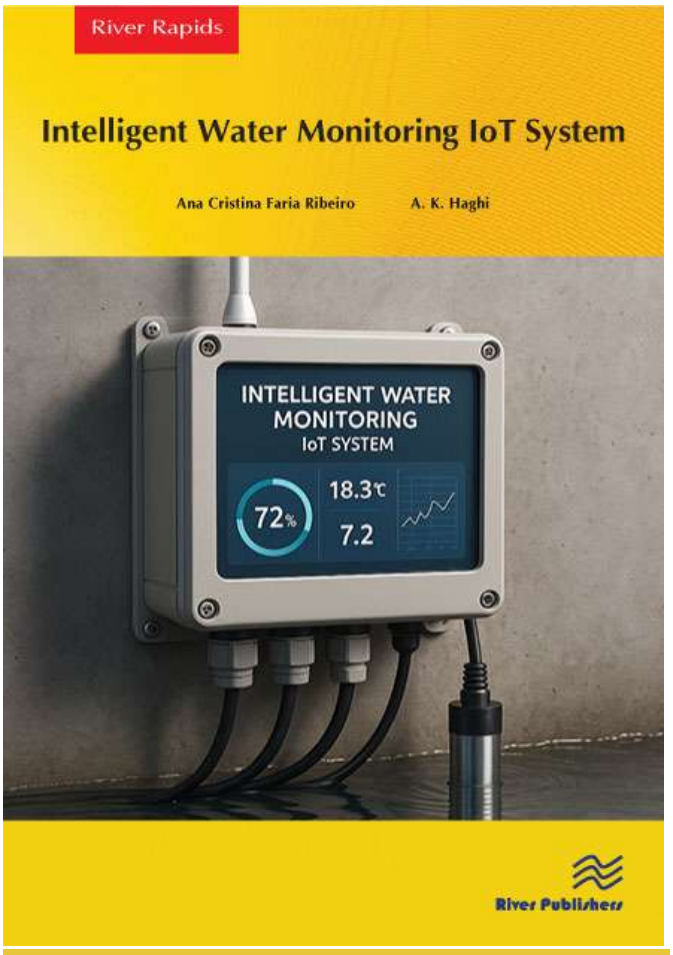

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Water losses, water transmission lines, water distribution network, water pressure forecasting, Internet of Things (IoT), water distribution network, water transmission line, water losses, water excessive pressure, water pressures forecasting, piping system, hydraulic analysis.

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