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A Novel Communication System Approach for a *Smart City* based on the Human Nervous System

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HIGHLIGHTS

Analysis of the main existing communication architectures for *Smart Cities*.

Review of approaches found in literature to address services in a *Smart City*.

Design of a communication framework for a *Smart City* inspired in the nervous system.

Definition of the *Smart Gateway*, able to reduce data traffic and processing resources.

Simulation of several communication channel scenarios with different technologies.

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