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Dear Editor-in-Chief,

I am pleased to submit our manuscript entitled **“DiSIF: Distributed Semantic Information Fusion Framework for Smart City Applications”** for consideration for publication in *The Future Generation Computer Systems*. This manuscript presents innovative approaches in distributed systems, specifically focusing on a novel **Distributed Semantic JDL Fusion Model** across the Edge, Fog, and Cloud layers, offering significant improvements in decision-making speed and scalability.

The primary contributions of this work include:

1. **Introducing a Distributed Semantic JDL Model** that optimizes decision-making and data fusion across multiple layers (Edge, Fog, and Cloud) presenting a distributed version of the semantic JDL fusion model.
2. **Novel Horizontal and Vertical Query Decomposition** techniques using ontologies to enable parallel execution and concept generation for efficient data fusion.
3. **A Master-Slave Infrastructure** designed to enhance query processing and execution in a three-layer architecture, optimizing interactions between nodes.

Our work is aligned with the scope of *The Future Generation Computer Systems*, particularly in its focus on advances in **distributed systems**, **Big Data processing**, **collaborative environments**, and **high-performance computing**. We believe the manuscript will contribute to the journal’s mission by providing new insights into the design and execution of distributed infrastructures and their application in smart city environments.

We confirm that this manuscript has not been published previously and is not under consideration for publication elsewhere. We also confirm that all authors have approved the content of the manuscript and agree with its submission to *The Future Generation Computer Systems*. Should you require any further information, please do not hesitate to contact me at ra.rezvanikhorashadizadeh@mail.um.ac.ir.

Thank you for considering our submission. We look forward to your feedback.

Sincerely,  
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