

**NEW TITLE**

*International Journal of*

# **Semantic and Infrastructure Services**

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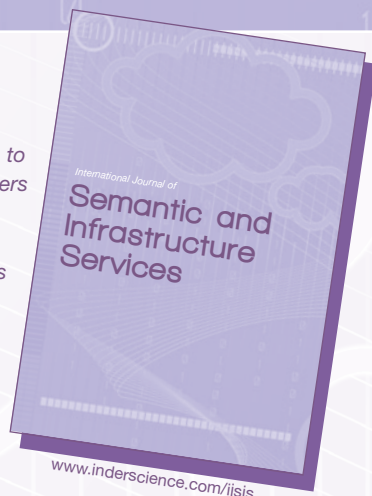
# Scope of the Journal

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*IJSIS proposes and fosters discussion on the evolution of semantic approaches in enhancing computing infrastructure to manage big data sets which are being gathered by researchers on a daily basis. This perspective acknowledges the complexity of the future computing environment as an interface between data semantics and infrastructure services over different data-infrastructure scales as well as the reflexive characteristics of computing systems.*

## Topics covered include:

- Big data and its management
- Data integration and interoperability
- Semantic web technologies and formalisms for data
- Language processing techniques/principles for building/maintaining ontologies
- Scientific workflows and data cloud
- Semantic image analysis
- Ontologies and semantic web tools
- Ontology representation and exchange languages
- Ontology-assisted extraction and information retrieval from text collections
- Web 2.0 and Web 3.0 applications
- Novel architectural models for high performance and cloud computing
- New parallel/concurrent programming models for high performance applications
- Data security, privacy and jurisdiction of applications in the cloud
- Interoperability between different utility computing platforms
- Semantics in platforms and software as a service



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