



**MSc. Oscar Rubén Galindo Soto**

National Experimental University of the Western Plains Ezequiel Zamora (UNELLEZ), Apure,  
Venezuela

Email: [racso124@gmail.com](mailto:racso124@gmail.com) ORCID

code: <https://orcid.org/0000-0001-5418-1554>

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## **Contributions of Semantic Technologies to the Organization of Information in Complex University Contexts**

### **ABSTRACT**

Semantic technologies are operating mechanisms on the web that use protocols to manage information through metadata, and thus order, classify and organize content shared on the Internet. Thanks to the development of these technologies, university contexts have become avid spaces in the use of them to reorganize the epistemic structures that condition and determine social relations, connection, order, recovery and significance of information for academic purposes. , scientific, socio-community and research links, under descriptions of meanings and content structure based on order and flexibility. From the above, this document outlines as a general objective to point out the contributions derived from the use of semantic technologies to organize information in complex university contexts. So, a documentary research was carried out based on the search, organization and interpretation of the information registered by other researchers in documentary sources on the subject in question. The results are directed towards: the use of agreed vocabularies to incorporate languages and ontologies, the promotion of technosocial institutional learning and the emergence of intelligent communities. The conclusions make it possible to highlight that organizing information through semantic technologies in complex university contexts contributes to the generation of adequate ways to organize knowledge, scientific knowledge, the epistemic process and social relations in accordance with the principles of integration, collaboration and cooperation.

**Descriptors:** Complexity, Information, Significance, Society, Technology, University.

**Biographical Review:** Venezuelan Professional, Ordinary Added Professor of the Ezequiel Zamora Western Plains National Experimental University (UNELLEZ) in the area of Computer Science, PhD student in Social Sciences (UNELLEZ), Magister Scientiarum in Higher Education Sciences (UNELLEZ), Master in Management and Information Technology (José Antonio Páez University), Electronic Computer Engineer (Yacambú University).