JOB OFFER: RESEARCH CONTRACT

WESO offers a research contract to collaborate in a project about Knowledge Graphs and Interoperability

More details of the call in Spanish: https://www.weso.es/vacancies/2022_11_LocalCopy/

ABOUT WESO

WESO (Web Semantics Oviedo) is a Spanish research group that belongs to the University of Oviedo. It was founded in 2004 and has as its aims the practical application of semantic technologies to different domains. The semantic web is a research domain that combines techniques from Artificial Intelligence, Big Data and Web Engineering with the goal to facilitate the automatic processing of Web Information.

The WESO group has obtained the Spanish accreditation as an official research group in 2012 and 2018. The group was founded by Jose Emilio Labra Gayo and consists of 5 faculty members from the University of Oviedo as well as several researchers and external collaborators from Spain and other countries. Although the group is officially located at the Department of Computer Science, in Oviedo, Spain, it adopted a remote first policy which allows researchers to collaborate remotely.

WESO has applied semantic technologies to several domains like health and public administrations. Some clients have been international institutions like the Web Foundation, IFAD, Chilean National Library of Congress, United States Department of Agriculture, Luxembourg Ministry of Culture and companies like Izertis, Zapiens, BMat, Gateway, Treelogic, etc.

In the WESO research group we have participated in the development of several tools and technologies like Shape Expressions (ShEx) and SHACL. As well as other Open Source technologies to integrate and convert data. The candidate will participate in the project: ANGLIRU (Applying kNowledge Graphs to research data interoperabiLIty and ReUsability) funded by Spanish National Research Agency.

MAIN ACTIVITIES

- Develop and implement algorithms for large scale knowledge graphs validation
- Extraction of data models and ShEx schemas from existing RDF data
- Interoperability between research data and FAIR representation of clinical and research data
- Creation of knowledge graphs subsets for specific domains
- Fact checking and quality analysis of knowledge graphs about health information

BENEFITS

- The job will be compatible with master or PhD studies
- Flexible working-hours
- Possibility of remote working and partial/full time Schedule depending on specific requirements
- Integration into a research group with established track record

REQUIREMENTS

- English speaking
- Web technologies and software architecture knowledge will be valued
- Semantic web technologies (RDF, SPARQL, SHACL/ShEx, OWL) will be valued.
- Knowledge of advanced programming languages like Scala will be valued

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