



'Establishing and using ontologies as a basis for terminological and knowledge engineering resources'

Full-day workshop

Programme Committee: Rute Costa (Universidade Nova de Lisboa; rute.costa@fcsb.unl.pt); Guadalupe Aguado de Cea (Universidad Politécnica de Madrid); Fidelma Ní Ghallchobhair (Foras na Gaeilge); Bodil Nistrup Madsen (Copenhagen Business School); Christophe Roche (Université de Savoie); Hanne Erdman Thomsen (Copenhagen Business School)

Scientific Committee: Rute Costa (Universidade Nova de Lisboa); Guadalupe Aguado de Cea (Universidad Politécnica de Madrid); Fidelma Ní Ghallchobhair (Foras na Gaeilge); Bodil Nistrup Madsen (Copenhagen Business School); Christophe Roche (Université de Savoie); Hanne Erdman Thomsen (Copenhagen Business School); Gerhard Budin (Universität Wien); Nicolas Guarino (Laboratory for Applied Ontology); Pierre Lerat (Equipe Condillac, Université de la Savoie); António Lucas Soares (INESC Porto/ Universidade do Porto); Mari Carmen Suarez-Figueroa (Universidad Politécnica de Madrid)

Description

Terminology and Ontology are two disciplines whose theoretical and methodological assumptions and principles overlap, especially when it comes to implementing knowledge-based applications and terminology resources. For knowledge engineers with a background in artificial intelligence, knowledge domain concepts and the relations established between them can only be represented by using a formal language. For terminologists with a background in linguistics, concepts and their relationships are represented in discourse by means of natural language terms, these occupying a place in concept systems relevant to the ontology-building stage. With a view to knowledge communication, representation and sharing purposes, this workshop will take into account the linguistic and conceptual dimensions which take place in the different stages of ontology development with special emphasis on the contribution of terminology.

All those whose main research interests or activity cover the relationship between Terminology and Ontology, conceptualization and representation, natural and formal languages are invited to submit a presentation proposal.

The workshop is relevant now because of:

- the increasing interest in the use of terminological methods for developing ontologies
- an increasing number of ontologies available online, especially for knowledge engineering, not always terminologically validated
- ontologies, being knowledge-engineering resources, are relevant to the spirit of TKE and to the theme of this conference
- need for reusing non-ontological resources as a way to speed up the ontology building process.

Topics

- Intersections between Terminology and Ontology
- Construction of concept systems
- Conceptual dimension of terminology
- Terminological dimension of ontologies
- Use of ontologies for computer-based terminological applications
- Multilingual ontologies and terminologies
- Criteria for identification of terminological information
- Linguistic, terminological and knowledge organization