

# Language and Ontologies

IWCS 2015 Workshop

# Welcome

- Fire alarm
- Fire exits
- Toilets
- Coffee and lunch

# The view of an outsider

- Great interest in capturing NL meaning using a formal language
- Decidability problem
- Restricted languages
- More expressive ontology languages (OWL2)

# Topics

- NLP-driven ontology modelling
  - **Ontology learning and population from text**
  - **Ontology authoring**
  - Annotation and annotation schemes
  - **Authoring dialogues**
  - Psychological studies of errors
- NLP-driven access to ontologies
  - Natural language interfaces to ontologies
  - Verbalization of ontologies
  - Verbalization of query languages
- **Ontologies for NLP (e.g. textual entailment, summarisation)**
- Ontology-based information retrieval
- **Ontologies, folksonomies, and lexicons**

# Schedule

9:45 - 10:15 — Ontology Authoring Inspired By Dialogue

10:15 - 10:45 — Parsing Software Requirements with an Ontology-based Semantic Role Labeler

10:45 - 11:30 — Break

11:30 - 12:00 — Modelling Time and Space in Brazilian Culture

12:00 - 12:30 — Extending OWL Ontologies by Cartesian Types to Represent N-ary Relations in Natural Language

12:30 - 13:00 — Trimming a consistent OWL knowledge base, relying on linguistic evidence

13:00 - 14:00 — Lunch

14:00 - 14:30 — When is Lying the Right Choice?

14:30 - 15:00 — Using Ontologies to Model Polysemy in Lexical Resources

15:00 - 17:00 — Poster session/Discussion + Break

# Agenda

- Next Language and Ontologies workshop?
- Enjoy!