

# IAOA Semantic Web and Applied Ontology SIG

Michael Grüninger

Inaugural Meeting

November 25, 2013

## Mission Statement

- The Association is a non-profit organization the purpose of which is to promote interdisciplinary research and international collaboration at the intersection of philosophical ontology, linguistics, logic, cognitive science, and computer science, as well as in the **applications of ontological analysis** to conceptual modeling, knowledge engineering, knowledge management, information-systems development, library and information science, scientific research, and semantic technologies in general.

# Major IAOA Events

- International Conference on Formal Ontology in Information Systems (FOIS)
- Formal Ontology Meets Industry Conference (FOMI)
- Summer School / Institute
- Ontology Summit

# IAOA SIGs and Technical Committees

- SIGs
  - Ontologies and Conceptual Modelling
  - Geospatial Ontologies and Standards
  - Design Semantics: Ontologies, Inference, and Standards for Spatial Design
- Technical Committees
  - Education
  - Standardization Coordination
  - Ontology Registries and Repositories

# Semantic Web Applied Ontology SIG

- I see the SIG as being a great opportunity for building bridges between the Semantic Web and Applied Ontology communities,
- The Semantic Web community can bring a wide array of real problems and technologies (e.g. automated reasoning tools), while the Applied Ontology can bring a large body of content (i.e. ontologies) and ontological analysis techniques.

## Directions

- What ontologies are required by the Semantic Web applications? If these ontologies are not available in any current ontology repository, how can we engage the Applied Ontology community to develop them?
- Of the ontologies that are being widely used within the Semantic Web community, what kinds of analysis can be done with them?
- How can reasoning tools being developed within the Semantic Web community be applied to the ontologies that are being developed by the Applied Ontology community?
- What other semantic technologies can be used to support the ontology lifecycle?