**8th International Conference on**



**Formal Ontology in**

**Information Systems**

**September 22—25,**

**Rio de Janeiro, Brazil**

DEFINITION

AND SCOPE

Ontology, originally a fundamental part of philo- sophical enquiry, is concerned with the analysis and categorization of what exists.

In recent years, however, formal ontology has

emerged as the study of coherent knowledge representations for complex information sys-

tems. Researchers in many domains increasingly recognize the need for serious engagement with ontology, understood as a general theory of the

types of entities and relations making up their respective domains of enquiry, in providing a solid foundation for their work.

The FOIS conference is designed to provide a

meeting point for researchers from all disciplines

with an interest in formal ontology. The confer- ence encourages submission of high quality arti- cles on both theoretical issues and concrete ap- plications. As in previous years, FOIS 2014 is in- tended as a nexus of interdisciplinary research and communication.

ORGANIZATION

***General chair:***

*Laure Vieu (CNRS, France)*

***Programme Committee chairs:***

*Pawel Garbacz*

*(Catholic University of Lublin, Poland)*

*Oliver Kutz (University of Bremen, Germany)*

***Organization chairs:*** *Giancarlo Guizzardi*

*(Federal University of Espírito Santo, Brazil)*

*Renato Rocha Souza (FGV, Brazil)*

***Workshop chair:***

*Robert Hoehndorf (University of Cambridge, UK)*

***Ontology competition chair:***

*Till Mossakowski (University of Bremen, Germany)*

***Early Career Symposuim chairs:***

*Marion Haemmerli*

*(University of Lausanne, Switzerland)*

*Torsten Hahmann (University of Toronto, Canada)*

*Claudio Masolo (ISTC-CNR, Italy)*

***Publicity chairs:***

*Janna Hastings*

*(European Bioinformatics Institute, UK)*

*Fernanda Baião*

*(Federal University of the State of Rio de*

*Janeiro, Brazil)*

Formal Ontology in Information Systems

22—25 September 2014

Rio de Janeiro, Brazil

CONTACTS

http://fois2014.inf.ufes.br

Twitter: #fois2014

E-mail: fois2014@gmail.com

Important Dates

December 1, 2013: Workshop proposals due

January 14, 2014: Workshops notification

March 3, 2014: Research and challenge papers

March 10, 2014: Challenge ontology contributions

May 5, 2014: Paper and challenge notification

May 22, 2014: Workshop papers due

June 30, 2014: Camera ready papers due

Sept 15- 19, 2014: Summer School

Sept 22—25, 2014: FOIS conference (all events)

FOIS is the flagship conference of the International

Association for Ontology and its Applications

(IAOA), which is a non-profit organization to pro- mote interdisciplinary research and international collaboration at the intersection of philosophical ontology, linguistics, logic, cognitive science, and computer science.

Tel: 555 555 5555

Topics for Submissions



**Foundational Issues**

 Kinds of entity: particulars/universals, continu-

ants/occurrents, abstracta/concreta, de-

pendent/independent entities,

natural objects/artifacts

 Formal relations: parthood, identity,

connection, dependence, constitution,

subsumption, instantiation

 Vagueness and granularity

 Identity and change

 Formal comparison among ontologies

 Ontology of physical reality (e.g., matter,

space, time, motion)

 Ontology of biological reality (e.g., genes,

proteins, cells, organisms)

 Ontology of artifacts, functions and roles

 Ontology of mental reality and agency (e.g.,

beliefs, intentions, emotions)

 Ontology of social reality (e.g., institutions,

organizations, norms, social relationships, artis-

tic expressions)

 Ontology of the information society (e.g., in-

formation, communication,

meaning negotiation)

 Ontology and Natural Language Semantics,

Ontology and Cognition

**Methodologies and Applications**

 Top-level vs. application ontologies

 Ontology integration and alignment; role of ref-

erence ontologies

 Ontology-driven information systems design

 Ontological foundations for conceptual

modeling

 Ontology-based application systems

 Requirements engineering

 Knowledge engineering

 Knowledge management and organization

 Knowledge representation;

Qualitative modeling

 Computational lexicons; Terminology

 Information retrieval; Question-answering

 Semantic Web; Web services; Grid computing

Domain-specific ontologies (especially for: Bio-

medical science, E-business, Enterprise integration

Engineering, Geography, Law, Library science,

Linguistics)

Formal Ontology in Information Systems

22—25 September 2014

Rio de Janeiro, Brazil

http://fois2014.inf.ufes.br

Twitter: #fois2014

E-mail: fois2014@gmail.com

**Dates and Types of Submission**

**Workshop proposals: December 1 2013**

Workshop proposals should be no more than 2 pages

in length, and must contain the title of the workshop, names of the workshop organizers, brief description of experience in workshop organization, description of the workshop topic, brief statement on the relation and relevance of the workshop to FOIS, intended du-

ration of the workshop (half-day, full-day), timeline

for the workshop (submission dates, notification dates),

and plans for publishing workshop proceedings.

**Paper submissions: 3 March 2014**

Submitted papers must not exceed 14 pages, includ-

ing the bibliography and an abstract of no more than

300 words.

Papers should be submitted electronically as PDF files

prepared in accordance with the IOS formatting

guidelines.

**Challenge contributions: 3 and 10 March 2014**

Challenge contributions consist of one or more ontolo-

gies, and possibly links between these, and a paper

describing the ontologies, addressing at least some of

the above questions. The paper may be a full FOIS

paper or a short paper focusing solely on the descrip- tion of the ontology/ontologies and links. Papers are due 3 March, ontologies 10 March.

All submissions should be made via Easychair: [https://](https://www.easychair.org/account/signin.cgi?conf=fois2014)

[www.easychair.org/account/signin.cgi?conf=fois2014](https://www.easychair.org/account/signin.cgi?conf=fois2014)