



**9th International Workshop  
on Vocabularies, Ontologies and Rules for the Enterprise  
Co-located with the 21th IEEE International EDOC Conference –  
The Enterprise Computing Conference  
10th-13th October, 2017, Québec-City, Canada**

**About**

The VORTE series of workshops is devoted to the topics of vocabularies, ontologies and rules in the context of enterprise systems. Examples of topics covered by VORTE include the development and adaptation of foundational, business and domain ontologies for the enterprise, the use of ontologies and rules in all aspects of enterprise modeling such as business process management and services, the enhancement of rules and services with formal semantics, and the evaluation of such systems and approaches.

From the enterprise system development perspective, research topics are focused on relations of process modeling and execution languages with business ontologies and rules, and on how business ontologies and rules used in enterprise models are further propagated into technologies (e.g., linked data and semantic web) and architectures (e.g., service-oriented architectures) that enable collaboration between heterogeneous enterprise systems.

The workshop also welcomes experience reports and empirical studies that are reporting on the use of ontologies and rules in the enterprise system development lifecycle.

**Topics**

- **Vocabularies and Ontologies for the enterprise:**
  - *Ontology-driven representation of products, services, functionalities, design, processes;*
  - *Ontologies for the know-how;*
  - *Ontologies for corporate knowledge;*
  - *Upper-level ontologies in the enterprise;*
  - *Adaptation of ontologies for companies and organizations;*
- **Conceptual and Enterprise Modeling:**
  - *Ontological Foundations for Conceptual Modeling and Meta-modeling*
  - *Ontology Design and maintenance for Conceptual Model Integration;*
  - *Ontology-Based Conceptual Modeling Tools and Environments*
  - *Ontologies and Enterprise Architecture Modeling*
  - *Ontologies and Business Process Modeling*
  - *Ontologies and Goal-Based Modeling*
  - *Ontologies and Business Rules*
- **Enterprise Semantic Interoperability:**
  - *Web services, Semantic services*
  - *Composition and Modularity*
  - *Merging, Mapping and Alignment*
  - *Ontology Language Interoperability*
  - *Open linked data publishing and exploitation*
- **Knowledge management:**
  - *Ontology and ontological methodologies in knowledge management and integration;*
  - *Ontology engineering, learning and maintenance;*
  - *Ontology integration and alignment;*
  - *Ontology effectiveness and evaluation;*
- **Case studies and Evaluation:**
  - *Practical issues in using ontologies in enterprises*
  - *Real cases of successful/unsuccessful use of ontology in business*
  - *From legacy systems to the new ontology-driven systems*

<http://edoc2017.ca/vorte-2017/>



# IJCAI-17 MELBOURNE

IJCAI is the International Joint Conference on Artificial Intelligence, the main international gathering of researchers in AI. IJCAI were held biennially in odd-numbered years since 1969. Starting with 2016, IJCAI will be held annually. IJCAI is sponsored jointly by IJCAI and the national AI societie(s) of the host nation(s). The 26th International Joint Conference on Artificial Intelligence will be held in Melbourne, Australia in August 2017.

## IJCAI 2017 Accepted Workshops

- Fourth International Workshop on Theory and Applications of Formal Argumentation
- Fifth International Workshop on Graph Structures for Knowledge Representation and Reasoning
- Third International Workshop on Social Influence Analysis (SocInf 2017)
- Workshop on Computer Games
- Workshop on Language Sense on Computer
- Workshop on Learning in the Presence of Class Imbalance and Concept Drift
- Impedance Matching in Cognitive Partnerships
- Evaluating General-Purpose AI (EGPAI2017)
- The 3rd workshop on Algorithmic Game Theory
- Workshop on Linked Democracy: Artificial Intelligence for Democratic Innovation
- Workshop on Cognitive Knowledge Acquisition and Applications (Cognitum 2017)
- Third Workshop on Conflict Resolution in Decision Making (COREDEMA 2017)
- Explainable AI
- Workshop on AI Applications in E-Commerce
- Workshop on Linguistic and Cognitive Approaches to Dialogue Agents (LaCATODA)
- Workshop on Knowledge Discovery in Healthcare II: Towards Learning Healthcare Systems
- Ninth International Workshop on Modelling and Reasoning in Context (MRC 2017)
- Workshop on Artificial Intelligence and Constraint Programming
- ...

<http://ijcai-17.org/index.html>

# JOWO 2017

The Tyrolean Autumn - September 21 | 22 | 23

The Joint Ontology Workshops take place at the Free University of Bozen-Bolzano, Italy. This third edition of the Joint Ontology Workshops (JOWO-17) includes the following workshops.

- CREOL:** Contextual Representation of Objects and Events in Language
- DAO:** Data meets Applied Ontology
- DEW:** Ontology Evaluation & Debugging
- EPINON:** Epistemology in Ontologies
- FOMI:** Formal Ontology Meets Industry
- FOUST II:** 2nd Workshop on Foundational Ontology
- ISD3:** The 3rd Image Schema Day
- ODLS:** Ontologies and Data in Life Sciences
- SHAPES 4.0:** The Shape of Things
- WINKS:** Workshop on Interaction-Based Knowledge Sharing

In addition to workshops, JOWO will be hosting joint panel sessions and keynotes, as well as meetings of **IAOA** Special Interest Groups and Technical Committees.

<http://www.iaoa.org/jowo/2017/>