X Seminar on Ontology Research in Brazil

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Program Chairs' addresses:

Mara Abel - marabel@inf.ufrgs.br
Universidade Federal do Rio Grande do Sul, Instituto de Informática, Departamento de Informática Aplicada
Av. Bento Goncalves 9500 - Bloco IV - Campus do Vale
Agronomia
CEP 91501970 - Porto Alegre, RS - Brasil

Sandro Rama Fiorini - sandro.fiorini@u-pec.fr
Lissi, Universitè Paris-Est Créteil (UPEC)
Vitry-sur-Seine, France

Christiano Pessanha - christiano.pessanha@unilestemg.br
Centro Universitário do Leste de Minas Gerais
Avenida Presidente Tancredo de Almeida Neves - de 2651/2652 a 3499/3500
B. Universitário
CEP 35170056 - Coronel Fabriciano, MG - Brasil

Preface

Ontology is a cross-disciplinary field concerning the study of concepts and theories that support the building of shared conceptualizations of specific domains. The study of ontologies has been assisting in the problem solution in as diverse areas as Computer Science, Information Science, Philosophy, Artificial Intelligence, Linguistic, Knowledge Management. Particularly, it is being largely used for information capturing and organization in many areas of Science and Industry and applications. The Seminar on Ontology Research in Brazil, ONTOBRAS, foresees an opportunity and scientific environment in which researchers and practitioners from Information Sciences and Computer Science can discuss the theories, methodologies, languages, tools and experiences related to ontologies development and application.

The tenth edition of ONTOBRAS, hosted in Brasilia, Brazil, was organized by the Catholic University of Brasilia (UCB), National University of Brasilia (UNB) and Federal University of Rio Grande do Sul (UFRGS). We would like to deeply thanks the sponsors of this year edition of ONTOBRAS, namely, The International Association for Ontology and its Applications (IAOA), the CAPES Foundation, from the Brazilian Federal Government, and the Foundation of Research Support of Distrito Federal of Brazil (FAPDF).

Researchers and practitioners were invited to submit theoretical, technical and practical research contributions that directly or indirectly address ontology theory [s1]and application issues. The call for papers was open for two categories of submissions: papers describing original work with clearly demonstrated results to be presented in ONTOBRAS main track, and reports of ongoing thesis and dissertation to be presented in the Workshop of Thesis and Dissertations on Ontology. We had received 27 paper submissions for the ONTOBRAS and 8 reports for the WTDO. The program committee composed by 22 researchers from Brazil and Europe and 6 sub-reviewers had chosen the best 8 papers for half-hour oral presentation and another 8 articles for poster presentation. In the WTDO track, 7 papers were selected to be presented in a special session with participation of 8 examiners from Brazilian PhD programs.

The content in this volume is thus constituted by 16 papers and 7 thesis and dissertation reports. They provide meaningful insights to start additional research in ontology theory and applications. We thank the authors for their submissions and the program committee for their hard work. We are also grateful for the academic Julia Eidelwein for the organization of this volume.

August, 2017

Mara Abel
Sandro Rama Fiorini
Christiano Pessanha

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Contents

I Full Papers 7

Alinhamento entre ontologias de Topo e de Domínio usando WordNet
Rafael Basso, Daniela Schmidt, Cassia Trojahn, Renata Vieira **9**

Experimental Studies for Revealing Key Factors of Cross-Language Alignments
Juliana Medeiros Destro, Julio Cesar dos Reis, Ariadne Maria Brito Rizzoni Carvalho, Ivan Luiz Marques Ricarte **21**

Extending the Ontological Model for Urinary Profiles
Fabrício Henrique Rodrigues, José Antônio Tesser Poloni, Cecília Dias Flores, Liane Nanci Rota **33**

Framework Baseado em Ontologias para Publicação e Integração Semântica de Glossários
Ricardo Ávila, David Araujo, Gabriel Lopes, Vânia Vidal, José Macedo **43**

OntoMongo – Ontology-Based Data Access for NoSQL
Thiago Henrique Dias Araujo, Barbara Tieko Agena, Kelly Rosa Braghetto, Renata Wassermann **55**

Um Experimento com a Ontologia IMS LD na Construção de Modelos Conceituais para E-learning
Francisco Hélio de Oliveira, Lais Nascimento Salvador, Renato Lima Novais **67**

Uma proposta de Ontologia de Participação Social
Fernando William Cruz, Ricardo Poppi, Paulo Meirelles **79**

Using Goal Modeling and OntoUML for reengineering the Good Relations Ontology
Jordana Sarmenghi Salamon, Cássio Chaves Reginato, Monalessa Perini Barcellos, Renata Silva Souza Guizzardi **91**

II Short Papers 103

A Diagrammatic Representation for Entities and Mereotopological Relations in Ontologies
José Maria Parente de Oliveira, Barry Smith **105**

Building a Semantic Ontology for Internet of Things (IoT) Systems
Ronald DeSerranno, Matthew Mullarkey, Alan Hevner **111**

Considerações ontológicas sobre modelar em AEC
Lívia Marangon Duffles Teixeira, Renata Maria Abrantes Baracho **119**

Modelagem de Uma Ontologia de Contexto no Domínio de Urgência e Emergência Médica
Giovanna Cristina de Souza Bettin, Heloise Manica Paris Teixeira, Rita Cristina Galarraga Berardi **125**

ONTOEVICA: Uma proposta de aplicação de ontologias para intersetorialidade em políticas públicas de enfrentamento à violência contra crianças e adolescentes no Brasil
Claudio Roberto Stacheira, Remis Balaniuk **131**

Ontologia, Internet das Coisas e Modelagem da Informação da Construção (BIM): Estudo Exploratório e a Inter-relação entre as Tecnologias
Renata Maria Abrantes Baracho, Mário Luiz Pereira Junior, Maurício Barcellos Almeida **141**

Utilização de Ontologia para Busca em Base de Dados de Acórdãos do STF
Rafael Brito de Oliveira, Renata Wassermann **147**

Verifying Description Logic Ontologies based on Competency Questions and Unit Testing
Camila Bezerra, Fred Freitas **159**

III WTDO-DMCO 165

Aligning Top-level and Domain Ontologies
Daniela Schmidt, Cassia Trojahn, Renata Vieira **167**

Applying Multi-Level Typing to Model Knowledge-Intensive Processes
Tatiana Barboza, Fernanda Araújo Baião, Flávia Maria Santoro **173**

Expansão da expressividade semântica na representação de regras de negócio em cenários de processos intensivos em conhecimento
Rodrigo Benits Lyrio, Fernanda Araújo Baião **179**

Modularity and Ontology Change
Ricardo Ferreira Guimarães, Renata Wassermann **183**

Ontologias de domínio e tecnologias semânticas para promover o acesso a dados governamentais
Jaime Andrade Pinto, Marcello Peixoto Bax **189**

Otimização de Método de Alinhamento de Ontologias
Roberto Monteiro Dias, Fernanda Araújo Baião, Kate Revoredo **195**

Preserving Confidentiality in Ontologies: Can we develop secure ontologies?
Erika Guetti Suca, Flávio Soares Corrêa da Silva **199**