

**Curriculum Vitae**  
**Mauricio Barcellos Almeida, PhD**  
**March 16, 2019**

School of Information Science  
 Federal University of *Minas Gerais*  
 Av. Antônio Carlos, 6627  
 Campus *Pampulha* – ZIP 31.270-901  
 Belo Horizonte – *Minas Gerais* – Brazil

**EDUCATION**

Federal University of Minas Gerais: PhD in Information Science, 2006.

Thesis: An ontology-based model for the construction of the organizational memory.

Federal University of Minas Gerais: MSc in Information Science, 2002.

Dissertation: Interoperability among heterogeneous data sources – a metamodel based on ontologies.

Catholic University of Minas Gerais: Postgraduate Certificate in Software Engineering, 1999.

Monograph: Intelligent agents.

National Union of Business: Postgraduate Certificate in Business Administration, 1991.

Federal University of Minas Gerais: Bachelor's Degree in Civil Engineering, 1988.

**RESEARCH INTERESTS**

Knowledge Representation: Applied ontology, biomedical and legal vocabularies.

Information Systems: Modeling and ontology-driven information systems.

**ACADEMIC POSTS AT THE FEDERAL UNIVERSITY OF MINAS GERAIS, BRAZIL**

2019– Chair, Graduate Program in Knowledge Organization and Management.

2015–2016 Chair, Graduate Program in Knowledge Organization and Management.

2013–2015 Vice-Chair, Graduate Program in Information Science

2012– Research Associate Professor.

2007–2008 Vice-Chair, Department of Information Theory and Management

2006–2012 Research Assistant Professor.

2002–2005 Adjunct Professor.

**ACADEMIC POSTS AT THE CATHOLIC UNIVERSITY OF MINAS GERAIS, BRAZIL**

2000–2004 Assistant professor, Computer and Information Institute.

**VISITING POSITIONS**

2019- Research fellow, Faculty of Computer Science at the Free University of Bolzano-Bozen, IT. (forthcoming).

- 2018–2018 Senior visiting fellow, Department of Medical Humanities and Bioethics, College of Medicine, University of Arkansas for Medical Sciences, US
- 2018–2018 Research fellow, Department of Gynecology and Obstetrics, College of Medicine, Federal University of Minas Gerais, BR
- 2010–2011 Research fellow, Department of Philosophy, the State University of New York at Buffalo, US

#### **RESEARCH INSTITUTIONS INVOLVEMENT**

- 2019– Member of the Center for Interdisciplinary Studies – 20th Century. (*Centro de Estudos Interdisciplinares do Século XX*), University of Coimbra. PT.
- 2018– Member of the Committee for Planning Digital Health in Brazil, Unified Service of Health, Monitoring and Evaluation Department. BR.
- 2017– Chair-Elected of the Brazilian Chapter of American Society of Information Science and Technology, US.
- 2010– Research Group: Ontologies, Language and Knowledge Representaion. Group Leader, BR

#### **HONORS AND AWARDS**

- 2006 Prize for the best Brazilian Information Science Thesis of 2007, the National Association of Graduate Research in Information Science.

#### **CONSULTANCIES**

- 2018– Brazilian Ministry of Health, National Center for Biomedical Terminology
- 2018– Brazilian Ministry of Health, Steering Committee for the e-Health Strategy
- 2017–2017 Diagnosis Related Groups, Brazil (medical terminology)
- 2016– Brazilian Society of Healthcare Informatics, Brazil (medical terminology)
- 2012–2015 Power Supply Company, State of Minas Gerais (archives management)
- 2011–2014 Blood Transfusion Center of Minas Gerais (medical terminology)
- 2007–2009 Brazilian Government, State of Minas Gerais (document management)

#### **JOURNAL REVIEWER**

- 2017– Journal of Universal Computer Science, Austria
- 2016– Library Hi Tech Information, Taiwan
- 2016– American Medical Informatics Association, US
- 2015– *Journal of Information Science*, UK
- 2015– *Information Research*, US
- 2015– *Athens Journal of Technology and Engineering*, Greece
- 2014– *J. of the American Society for Information Science and Technology*, US
- 2014– *Knowledge Organization Journal*, ISKO, US

- 2014– *Learning and Nonlinear Models*, Brazil
- 2013– *International Journal of Metadata, Semantics and Ontologies*, UK
- 2010– Perspectives in Information Science, Brazil
- 2010– Information Science, Brazil

#### **EDITORIAL BOARDS**

- 2013– *Information and Technology Journal*, Brazil
- 2011– *AIAl Journal of Knowledge, Learning and Ontology Engineering*, India
- 2010–2013 *Perspectives in Information Science*, Brazil

#### **CONFERENCE PROGRAM COMMITTEES**

- 2015– International Workshop on Definitions in Ontologies, US
- 2015– American Medical Informatics Association Annual Symposium, US
- 2015– International Conference on Advances in Semantic Processing, France
- 2015– World Conference on Information Systems and Technologies, Portugal
- 2015– Annual Brazilian Conference on Medical Informatics, Brazil
- 2013– Enterprise Engineering Working Conference, Portugal
- 2012– Formal Ontologies in Information Systems (FOIS), Italy
- 2010– Annual Seminar for Research in Ontologies, Brazil
- 2009– National Seminar on Information Science, Brazil

#### **OTHER REVIEWING**

- 2016– International Academy, Research, and Industry Association (IARIA)
- 2013– Representative of the Federal University of Minas Gerais in the “Cooperation, Interoperability – Architecture, Ontology (CIAO!) Enterprise Engineering Network (Technical University of Delft, Netherlands)

#### **WORKING GROUPS**

- 2010– Ontology Research Group, Center of Excellence in Bioinformatics and Life Sciences, State University of New York at Buffalo, US
- 2010– National Center for Ontological Research, State University of New York at Buffalo, US
- 2010– Ontology and Conceptual Modeling Group, Center of Informatics Research, Southern Illinois University Carbondale, US
- 2007– Knowledge Representation, Ontologies and Language Research Group, Federal University of Minas Gerais, Brazil (group leader)
- 2009–2014 The Human T-Lymphotropic Virus Interdisciplinary Research Group, Hemominas Foundation, Brazil

- 2005–2008 Knowledge and Information Management Research group, Federal University of Minas Gerais, Brazil
- 2008–2009 Information Organization Research Group, Federal University of Minas Gerais, Brazil

### TEACHING EXPERIENCE

- 2005– Graduate Seminar
- Ontological foundations of information organization
  - Ontological information models
  - Advances in Information Science
  - Applied ontology
  - Ontological representation in formal systems
  - Philosophical foundations of Knowledge organization
  - Seminar of Research I and II
- Postgraduate Seminar
- Organizational information systems
  - Electronic document management and archiving
- Undergraduate lecture course
- Introduction to ontologies
  - Introduction to computer science
  - Information retrieval systems
- 2000–2004 Undergraduate lecture course
- Software engineering
  - Information systems (I and II)
  - Information organization
  - Computing essentials
  - Indexing Languages
- 2006– Examination Panel Participation
- Served as a member of 50 dissertation panels
  - Served as a member of 40 thesis panels.

### PH.D. DISSERTATIONS DIRECTED

Currently supervising:

Luiz M. O. Machado. Between organizing what is known and the knowledge of its organization: a comparative study between the ontological approach of the Integrative Levels Classification and the ontological approach of Basic Formal Ontology. (co-supervision). (In Portuguese). University of Coimbra. 2018 to date.

- Livia D. Teixeira. Ontological analysis of processes in healthcare organizations (In Portuguese). Federal University of Minas Gerais. 2016 to date.
- Frederico Figueiredo. Knowledge Representation in the legal domain. (In Portuguese). Federal University of Minas Gerais. 2016 to date.
- Eduardo Felipe. Automatic classification in inference engines applied to Information Science deeds. (In Portuguese). Federal University of Minas Gerais. 20136 to date.
- Jeanne Emygdio. Information Systems Modeling and Representation. (In Portuguese). Federal University of Minas Gerais. 2016 to date.
- Amanda Souza. Medical knowledge Acquisition for Representing Clinical Data. (In Portuguese). Federal University of Minas Gerais. 2016 to date.
- Rommel Carneiro. Interoperability Between Medical Information Systems. (In Portuguese). Federal University of Minas Gerais. 2016 to date.
- Jaime Andrade Pinto. Interoperability in Government Information Systems. (In Portuguese). Federal University of Minas Gerais. 2016 to date.
- Cristiano Moreira. Social ontology applied to Economic context. (In Portuguese). Federal University of Minas Gerais. 2016 to date.
- Guilherme Noronha. De-indentification of medical records for purposes of privacy. Federal University of Minas Gerais. 2016 to date. Federal University of Minas Gerais. 2016 to date.
- Renato Fabiano. Organizational ontologies. (In Portuguese). Federal University of Minas Gerais. 2016 to date.
- Luciana Emirena. Design Science in Information Science. (In Portuguese). Federal University of Minas Gerais. 2016 to date. 2016 to date.
- Claudiney Ramos. Inference engines for ontologies (In Portuguese). Federal University of Minas Gerais. 2013 to date.
- Joice Teixeira. Aboutness: A theoretical investigation. (In Portuguese). Federal University of Minas Gerais. 2012 to date.
- Stefane Melo. Ontological modeling for healthcare organizations. (In Portuguese). Federal University of Minas Gerais. 2016 to date.

PhD concluded supervisions:

- Fernanda Farinelli. Ontologies in newborn's domain (In English). Federal University of Minas Gerais and The University at Buffalo. 2013 to 2016.
- Simone Torres. Ontologies of legal documents (In Portuguese). Federal University of Minas Gerais and the University of Coimbra. 2012 to 2015.
- Kátia Cardoso Coelho. Document-acts applied to DEMO modeling method: a study case in a public healthcare institution (In Portuguese). Federal University of Minas Gerais and the University of Madeira. 2013 to 2016.
- Christiano Pessanha. Social ontology and document acts (Pos-doc) (In Portuguese). Federal University of Minas Gerais. 2015 to 2016.

Fabrcio M. Mendonça. OntoForInfoScience: a methodology to support information scientists in building ontologies through an application in the blood transfusion domain (In Portuguese). Federal University of Minas Gerais and The University of Porto. 2011 to 2015.

Elisângela C. Aganette. Biomedical knowledge representation: An investigation about theory of terminology and theory of applied ontology within the blood domain (In Portuguese). Federal University of Minas Gerais. 2011 to 2015.

André Q. Andrade. The medical language used in medical records and its representations in information systems: ontologies and information models (In Portuguese). Federal University of Minas Gerais and The Medical University of Graz. 2007 to 2010.

Eduardo Mattos. A special study in causality: Applications in ontologies (In Portuguese). Federal University of Minas Gerais. 2008 to 2011. (co-orientation).

### **MASTERS DISSERTATIONS DIRECTED**

Currently supervising:

Flavia Oliveira. Verbal valences in knowledge organization. (co-supervision). (In Portuguese). Federal University of Minas Gerais. 2017 to date.

MSc concluded supervisions:

Guilherme Noronha. Inference engines for medical ontologies. (In Portuguese). Federal University of Minas Gerais. 2014 to 2017.

Amanda Damasceno de Souza. Systematization of the process of creating formal definitions in biomedical ontologies: An investigation in the domain of acute leukemia. Federal University of Minas Gerais. 2013 to 2015.

Stefane Melo. Evaluation of information systems conceptual modeling through reference ontologies: Checking the whole-part relationship. Federal University of Minas Gerais. 2012 to 2014.

Lucélia Branquinho. Knowledge Discovery applied to results of laboratories. Federal University of Minas Gerais. 2012 to 2014.

Simone Torres. Characterizing the legal document to knowledge organization. Federal University of Minas Gerais. 2013 to 2015.

Jacqueline Pavlowisk. Information sources in Life Sciences. Federal University of Minas Gerais. 2009 to 2011.

Silvana A. Silva dos Santos. Theoretical-practical principles to establish semantic relationships in archival classification plans: A case study in federal universities. Federal University of Minas Gerais. 2008 to 2010.

Leonardo M. Padilha. Ontologies in the support of archival science: defining metadata to digital preservation. Federal University of Minas Gerais. 2008 to 2010.

Joel A. de Oliveira. A prototype for searching and visualizing ontologies. Federal University of Minas Gerais. 2008 to 2010.

Kátia C. Coelho. Knowledge acquisition to representation in ontologies: An investigation in the domain of hematology. Federal University of Minas Gerais. 2008 to 2010.

Luciana E.S. Carneiro. Knowledge management in the scope of practices to information security: People, processes, technology. Federal University of Minas Gerais. 2008 to 2010.

Livia M. D. Teixeira. Linguistic support to build ontologies: troponymy and frames semantics in the conceptualization stage. Federal University of Minas Gerais. 2007 to 2009.

Viviane N. P. Oliveira. An ontology-orientated investigation of conceptual models: A case study of models developed at Federal University of Minas Gerais. The University of Minas Gerais. 2007 to 2009.

Daniela Lucas. Methodologies for the construction of thesauri and ontologies: a comparison. (Co-supervision). Federal University of Minas Gerais. 2006 to 2008.

### **OTHER SUPERVISION**

15 postgraduate certification students.

55 undergraduate students (Information Science).

53 undergraduate students (Computer Science and Information Systems).

### **PUBLICATIONS IN ENGLISH**

Almeida, M.B. (2019). Ontologies and classification: the unavoidable interplay between human reasoning and machine reasoning. (forthcoming). Proceedings of the 11th of the Qualitative and Quantitative Methods in Libraries International Conference. IT.

Farinelli, F., Almeida, M.B. (2019). ReBORM: Realism-Based Ontology Methodology. (forthcoming). Proceedings of the 6th Annual International Conference on Library and Information Science. GR.

Almeida, M.B.; Felipe, E.; Maculan, B.M. Classification in the age of intelligent algorithms: human reasoning or machine reasoning? (forthcoming). The 15<sup>o</sup> ISKO UK Conference. UK.

Almeida, M.B.; Lima, G. A. B.; Simões, M. G. (2019). Deciphering the acts of documents: a theoretical framework and model to organize documents. (forthcoming). The 14<sup>o</sup> Portugal-Spain ISKO Conference. ES.

Almeida, M.B.; Barcelos, R. (2019). Towards a document-centered ontological theory for information architecture in corporations. (forthcoming). The Journal of the American Society for Information Science and Technology. U.S.

Simões, M.G.; Machado, L.M. ; Souza, R.R.; Lopes, A.T.; Almeida, M.B. (2018). Automatic indexing and ontologies: the consistency of research chronology and authoring in the context of Information Science. Proceedings of the Fifteenth International ISKO Conference, Porto. PT.

Almeida, M.B., Farinelli, F. (2017). Ontologies for representation of electronic medical records: The obstetric and neonatal ontology. The Journal of the American Society for Information Science and Technology. U.S. doi:10.1002/asi.23900.

Almeida, M.B.; Brochhausen, M.; Silva, F.B. (2017). An ontological approach to the normative dimension of organizations: an application of Documents Acts Ontology. *Ciência da Informação*, v.46, n.1, p.213-226.

Almeida, M.B.; Pessanha, C.; Barcelos, R. (2017). A information architecture for organizations: a social ontology approach. Book chapter,. In: *Ontology in Information Science*. Thomas, C. (Ed.). ISBN 978-953-51-5354-2.

Smith, B., Almeida, M.B., Bona, J., Brochhausen, M., Ceusters, W.; Courtot, C., Dipert, R., Goldfain, A., Grenon, P., Hastings, J., Hogan, W., Jacuzzo, I., Johansson, I., Mungall, C., Natale, D., Neuhaus, F., Overton, J., Petosa, A., Rovetto, R., Ruttenberg, A., Ressler, M., Rudnicki, R., Seppälä, S., Stefan Schulz, S. and Zheng, J. (2016-2018). *Basic Formal Ontology 2.0: Specification and User's Guide*.

Coelho, K., Aveiro, D., Almeida, M.B. (2016). Towards a formal account to dealing with documents-acts within DEMO method. *Proceedings of the 6th Enterprise Engineering Working Conference (EEWC 2016)*. Funchal.

Farinelli, F., Almeida, M.B., Elkin, P., Smith, B. (2016). Interoperability Among Prenatal EHRs: A formal ontology approach. Poster. *Proceedings of the American Medical Informatics Association (AMIA) Symposium*. Chicago.

Farinelli, F., Almeida, M.B. (2016). OntONeo: The Obstetric and Neonatal Ontology. *Proceedings of the International Conference of Biomedical Ontologies*. Corvallis.

Souza, A.D., Almeida, M.B. (2016). Natural Language Definitions for the Leukemia Knowledge Domain. Short paper. *Proceedings of the International Conference of Biomedical Ontologies*. Corvallis.

Mendonça, F.M., Almeida, M.B. (2016). OntofoInfoScience: A detailed methodology for construction of ontologies and its application in the blood domain. *Brazilian Journal of Information Science: Research Trends*, 10(1), 12-19.

Mendonça, F.M., Almeida, M.B., Soares, A. L., Sousa, C.P. (2015). From a consensual conceptual level to a formal ontological level: a case study in healthcare organizations. *Proceedings of the 9th International Conference on Advances in Semantic Processing (SEMAPRO 2015)*. Nice.

Almeida, M.B., Souza, R., Baracho, R. M. A. (2015). Looking for the identity of Information Science in the age of big data, computing clouds and social networks. *Proceedings of the 4th International Symposium of Information Science (ISI 2015)*. Zadar.

Souza, A.D., Almeida, M.B. (2015). Textual Definitions in the leukemia domain: Methodological guidelines for biomedical ontologies. Poster. *Proceedings of the 15th World Congress on Health and Biomedical Informatics (MEDINFO 2015)*. São Paulo.

Farinelli, F., Almeida, M.B., Souza, I. L. (2015). Linked Health Data: how linked data can help to provide better health decisions. Poster. *Proceedings of the 15th World Congress on Health and Biomedical Informatics (MEDINFO 2015)*. São Paulo.

Coelho, K.C., Almeida, M.B. (2015). Representation of biomedical expertise in ontologies: A case study about knowledge acquisition on HTLV viruses and their clinical manifestations. Poster. *Proceedings of the 15th World Congress on Health and Biomedical Informatics (MEDINFO 2015)*. São Paulo.



Oliveira, J.P., Almeida, M.B. (2015). Specialized information sources in health sciences: Analysis of features and proposed criteria for evaluation. Short Paper. Proceedings of 2nd Annual International Conference on Library and Information Science. Athens.

Souza, A.D., Almeida, M.B., Neto, J.C.A. (2015). Creation of definitions for ontologies: A case study in the leukemia domain. Proceedings of International Conference on Data Integration in the Life Sciences 2015 (DILS2015). Los Angeles.

Baracho, R. M. A., Branquinho, L., Almeida, M.B., Souza, R.R. (2015). Using ontologies and inference engine in association rule of data mining: Application in sales strategies in medical laboratory diagnostic market. Proceedings of the 19th World Multi-conference on Systemics, Cybernetics and Informatics (WMSCI 2015). Orlando.

Baracho, R. M. A., Branquinho, L., Almeida, M.B. (2015). Ontologies in support of data-mining based on associated rules: A case study in a medical diagnosis company. Short Paper. Proceedings of the 5th Brazilian Seminar of Research in Ontologies. São Paulo.

Farinelli, F., Almeida, M.B. (2014). Ontologies and terminologies for semantic interoperability: An analysis focused on healthcare information systems. Proceedings of the Enterprise Engineering Working Conference (EEWC 2014). Funchal.

Coelho, K.C., Almeida, M.B. (2014). Ontological principles of documents acts in DEMO methodology: A case study in the context of public health institutions. Proceedings of the Enterprise Engineering Working Conference (EEWC 2014). Funchal.

Oliveira, J. P., Almeida, M.B., Araújo, E.P., Oliveira, C. C. V. (2014). Remarks about the concept of information sources for the fields of information science and life sciences. Proceedings of the 13th Knowledge Organization International Conference (ISKO 2014). Krakow.

Melo, S., Almeida, M.B. (2014). Applying foundational ontologies in conceptual modeling: A case study in a Brazilian public company. The 10th International Workshop on Ontology Content - Proceedings of On the Move to Meaningful Internet Systems. Amantea.

Almeida, M.B., Baracho, R.M.A. (2014). A theoretical investigation about the notion of parts and wholes: Mereological and meronymic relations. *Brazilian Journal of Information Science: Research Trends*, 8(1/2), 1-38.

Almeida, M.B. (2013). Revisiting ontologies: A necessary clarification. *Journal of the American Society of Information Science and Technology*. 64(8), 1682–1693.

Brochaussen, M.B., Almeida, M.B., Slaughter, L. (2013). Towards a formal representation of document acts and the resulting legal entities. In: R.D. Ingthorsson, C Svennerlind, and J Almäng (Eds.), *Johanssonian Investigations*, 120-139. Frankfurt: Verlag.

Almeida, M.B., Slaughter, L., Brochaussen, M.B. (2012). Towards an ontology of document acts: introducing a document act template for healthcare. *Lecture Notes in Computer Science* 7567, 420–425.

Souza, R. R., Tudhope, S., Almeida, M. B. (2012). Towards a taxonomy of KOS: Dimensions for classifying knowledge organization systems. *Knowledge Organization Journal*, (39)3. 179-182.

Almeida, M. B., Andrade, A. Q., Mendonça, F. M. (2012). Epistemology and medical records: An applied evaluation. Proceedings of the 5th Ontobras/MOST. Recife.

Mendonça, F. M., Cardoso, K.C., Almeida, M.B. (2012). Knowledge Acquisition in the construction of ontologies: A case study in the domain of hematology. Proceedings of the International Conference of Biomedical Ontologies. Graz.

Andrade, A.Q., Almeida, M.B., Schulz, S. (2012). Revisiting ontological foundations of the OpenEHR entry model. Proceedings of the International Conference of Biomedical Ontologies. Graz.

Almeida, M.B., Souza, R. R. (2011). Documents in knowledge management support: A case study in healthcare organizations. In T H Hou (Ed.) Knowledge Management / Book 2. Taiwan: University of Taiwan.

Almeida, M.B., Andrade, A. Q. (2011). Information, reality and epistemology: An ontological take. Proceedings of the OBML 2011 – Workshop of Ontologies in Biomedicine and Life Sciences at Informatik 2011. Berlin.

Andrade, A.Q., Almeida, M. B. (2011). A realism-based analysis of the Open EHR entry model. Proceedings of the Managing Interoperability and CompleXity in Health Systems at the 20th ACM International Conference on Information and Knowledge Management. Glasgow.

Silva, D. L., Souza, R. R. Almeida, M. B. (2011). Ontologies and controlled vocabularies. In S Smolnik, F Teuteberg, O Thomas, (Eds.). Semantic Technologies for Business and Information Systems Engineering. Osnabruck: University of Osnabruck.

Andrade, A. Q., Almeida, M. B. (2011). Realist representation of the medical practice: An ontological and epistemological analysis. Proceedings of the 4th Brazilian Seminar of Research on Ontologies. Gramado.

Almeida, M. B; Souza, R. R.; Fonseca, F. (2011). Semantics in the Semantic Web: A critical evaluation. Knowledge Organization Journal, 38(3), 187-203.

Ai, J., Almeida, M. B., Rutenberg, A., Andrade, A. Q., Smith, B. (2011). Body Fluids Ontology: An unified application ontology for basic and translational science. Proceedings of the International Conference of Biomedical Ontologies. Buffalo.

Almeida, M.B, Proietti, A.B., Ai, J., Smith, B. (2011). The Blood Ontology: an ontology in the domain of hematology. Proceedings of the International Conference of Biomedical Ontologies. Buffalo.

Andrade, A. Q., Almeida, M. B. (2011). Epistemological issues in information organization instruments: ontologies and health information models. Proceedings of the International Conference of Biomedical Ontologies (doctoral consortium). Buffalo.

Souza, R. R., Tudhope, D., Almeida, M. B. (2009). The KOS spectra: a tentative faceted typology of knowledge organization systems. Proceedings of the International Society for Information Organization (ISKO) Conference. Rome.

Almeida, M.B., Barbosa, R. R. (2009). Ontologies in knowledge management support: A case study. Journal of American Society of Information Science and Technology, 60(10), 2032-2047.

Almeida, M. B. (2009). A proposal to evaluate ontology content. Applied Ontology, 4(3/4), 245-265.

Manhã, E.M., Silva, M.C., Alves, M.C.G., Almeida, M.B., Brandão, M.G.L. (2008). PLANT - A bibliographic database about medicinal plants. *Brazilian Journal of Pharmacognosy*, 18(4), 614-617.

## **PUBLICATIONS IN PORTUGUESE**

Carneiro, L.E.S.; Almeida, M.B. (2019). Design Science: the representation of f theoretical scientific field. (Forthcoming). *Informação & Sociedade*, BR

Teixeira, L.M.D.; Almeida, M.B. (2019). Ontological principles in the support of clinical terminologies: a method and ontology for reorganization of the International Classification of Diseases. *Ciência da Informação*, n.48, v.1, BR

Farinelli, F.; Almeida, M.B. Emydgio, J.L. (2018). Ontology-oriented data architecture: interoperating health systems. *Proceedings of the CBIS 2018 – XVI Brazilian Congress of Informatics in Health*. BR.

Almeida, M.B. (2018). Levels of representation for interoperability of medical data. Book chapter. (Forthcoming). *Federal University Fluminense*, BR.

Teixeira, L.M.D.; Almeida, M.B. (2018). Towards the reduction of ambiguity in clinical information systems through the use of medical terminologies and ontologies. *Proceedings of the Brazilian Seminar on Ontologies*. BR.

Felipe, E. F.; Almeida, M.B. (2018). Automatic classification through ontologies: uses, limitations and applications in Information Science. *Proceedings of the Brazilian Seminar on Ontologies*. BR.

Pinto, J. A.; Almeida, M.B. (2018). The role of controlled vocabularies in Electronic Government projects – a view of the Brazilian context. *Proceedings of the Brazilian Seminar on Ontologies*. BR.

Almeida et al. (2017). The education in Information Science in the I-school model: the experience in the creation of the Graduate Program of Management and Knowledge Organization. *Forthcoming: Proceedings of the Latin American Association in Education for Information Science Conference*. Coimbra.

Machado, L., Simões, M.G., Souza, R.R., Almeida, M.B. Information Science and Semantic Web: interfaces. *Forthcoming: Proceedings of the International Society for Information Organization (ISKO) Conference*. PT.

Torres, S., Simões, M.G., Almeida, M.B. (2017). Modeling principles for knowledge Organization Systems. *Forthcoming: Proceedings of the International Society for Information Organization (ISKO) Conference*. PT.

Almeida, M.B. (2017). The organizational memory: how companies store and retrieve information for management purposes. In *Memory: interfaces in the Information Science field*. ISBN 978-85-230-1194-9.

Baracho, R. M. A.; Pereira Jr., M. L.; Almeida, M.B. (2017). Ontology, Internet of Things and Building information modeling (BIM). *Proceedings of the Brazilian Seminar in Ontology Research (Ontobras) Conference*. BR.

Almeida, M.B. (2016). Ontologies for representing organizational memory. *Saarbrücken: Saarbrücken Publisher*. ISBN 978-3-8417-1047-5.

Sá, T.Q.V., Almeida, M.B., Souza, R. R., Souza, A., Reis, Z. S. N. (2016). The minimum information about the pre-natal care to support the communication between the Brazilian Healthcare Network and maternities. Proceedings of the Brazilian Conference of Medical Informatics. BR.

Almeida, M.B., Aganette, E.C. (2016). Theory of terminology and theory of applied ontology: elucidations and discussions about the creation of definitions for biomedical terms. *Ciência da Informação*. no. 4, vol. 1. p.11-24. BR.

Pereira, M., Baracho, R. M., Almeida, M.B. (2016). Ontology in the support of the Building Information Modeling (BIM): An exploratory study about the interplay between the involved technologies. Proceedings of the 17th National Seminar of Information Science. BR.

Coelho, K.C.; Pessanha, C.; Almeida, M.B. (2016). A philosophical-legal investigation about the document acts theory. Proceedings of the 17th National Seminar of Information Science. BR.

Marangon, L. T. D., Aganette, E.C., Almeida, M.B. (2016) The practice of information architecture in the scope of an Enterprise Content Management project in a Brazilian supply company: a case study. *Informação & Informação* v.22, n.3. p.502-517. BR.

Almeida, M.B. (2016). The organizational memory: how the organizations store and retrieve information for purposes of management. Forthcoming: In E B Oliveira and G M Rodrigues (Eds.). *Creating and maintaining the human society through the language, memory and its extensions*. Brasília: The University of Brasilia Press. BR.

Torres, S., Almeida, M.B., Simões, G.M. (2015). Semantic relations in knowledge organization systems: An investigation in the legal domain. Proceedings of VII Encuentro Ibérico EDICIC 2015. SP.

Torres, S., Almeida, M.B., Araujo, E.P.O., Oliveira, J.P. (2015). Characterization of legal documents for knowledge organization. Proceedings of VII Encuentro Ibérico EDICIC 2015. SP.

Torres, S., Almeida, M.B. (2015). Classification as an inherent activity in building indexing languages. *DataGramZero*, 16(2). BR.

Coelho, K.C., Mendonça, F.M., Almeida, M. B. (2015). Knowledge organization in blood transfusion domain: A formal vocabulary about blood components. Proceedings of the 9th Conference of the Iberian-American Collaboration Group. BR.

Mendonça, F.M., Almeida, M.B. (2015). Ontoforinfoscience: A detailed methodology for construction of ontologies and its application in the blood domain. Proceedings of the 16th National Seminar of Information Science. BR.

Souza, A.D., Almeida, M.B. (2015). Knowledge about oncology in the age of big-data. Proceedings of the 16th National Seminar of Information Science. BR.

Aganette, E. C., Almeida, M.B. (2015). Empirical-theoretical advances in the comparison between the theory of applied ontology and the theory of terminology. *Encontros Bibli*, 20(44), 3-24. BR.

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