

CURRICULUM VITAE

1. Personal Information

Name : Giancarlo Guizzardi

Date of Birth: April, 22nd, 1975 (43 years old)

Status: Married, two children

Citizenship:

Brazilian and Italian (double citizenship)

Languages Skills:

Portuguese (★★★★★)

English (★★★★★)

Italian (★★★★★)

Spanish (★★★)

Dutch (★★)

Researcher unique identifier(s): ORCID: 0000-0002-3452-553X

Google Scholar: <https://scholar.google.com/citations?user=nnfVBt8AAAAJ>

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2. Short Bio

The core of my research for the past two decades has been an interdisciplinary approach to the **Foundations of Enterprise Information Systems**. On one hand, I have been developing theoretical work in the intersection between Formal Ontology, Cognitive Science, Linguistics, Philosophical Logics and Computer Science. On the other hand, I have been developing methodological and computational support based on these theories, as well as continuously testing them in technology transfer projects in a number of real-world cases in different sectors.

I am currently a Tenured Associate Professor of Computer Science at the Free University of Bozen-Bolzano (UNIBZ), in Italy and a senior member of the KRDB (Knowledge Representation and Databases) Research Center. In that context, I lead the CORE (Conceptual and Cognitive Modeling Research) research group. I am also a member of the Quality & Strategy Commission of UNIBZ. In 2017, I received the Italian National *habilitation for Full Professor* by the Italian Ministry of Science and Technology.

Before joining UNIBZ, I was a Senior Associate Professor at the Computer Science Department at the Federal University of Espírito Santo (UFES), in Brazil. At UFES, I became (between 2014-2016) the Dean of Graduate Studies at the Computer Science School. There, I also played the role of member of the editorial board of the UFES University Press (2012-2013). Moreover, in that context, I was a coordinator and founder of the Ontology & Conceptual Modeling Research Group (NEMO), in Brazil, a group with circa 50 members (including permanent members and students). In the NEMO group, I have directed an

Excellence Center on the area of *Semantic Interoperability in Government*. The work conducted in that center has also influenced the Brazilian Federal Program on Data Transparency and Government Interoperability as well as a number of institutions in the Brazilian Federal Government including the Ministry of Planning and the Brazilian Federal Senate. This work also led to an invitation to coordinate a panel in the United Nations Global Forum on Government Interoperability Frameworks.

For several years, I was also an Associate Researcher at the Laboratory of Applied Ontology (LOA), Institute for Cognitive Science and Technology (ISTC) of the Italian National Research Council (CNR) in Trento, Italy. Finally, between 2013 and 2015, I was a Visiting Professor at the University of Trento, Italy, in the group of Formal Methods and Software Engineering.

One of the main results of my research program is a well-founded version of OMG's Unified Modeling Language (UML) dubbed *OntoUML*. Over the years, *OntoUML* has been adopted by many research, industrial and government institutions worldwide. In particular, it has been considered as a candidate for addressing the OMG SIMF (Semantic Information Model Federation) Request for Proposal, after a report of its successful use over the years by an engineering branch of the U.S. Department of Defense. In 2015, a spin off company from the NEMO group dedicated to producing *OntoUML*-driven solutions for semantic interoperability was founded (<http://www.menthor.net>). The solutions produced by this company have attracted the attention of important tool vendors (e.g., NoMagic, Inc., USA), which led to an invitation to be a *keynote speaker* at the 2016 edition of the *NoMagic World Symposium* in Texas (an industrial symposium with circa 250 participants constituted of standardization body representatives, practicing engineers and CEOs in the Conceptual Modeling and Enterprise Architecture sector).

I have always been motivated to combine theoretically well-founded research work with technology transfer initiatives (both in industry and government). Over the years, I had the opportunity to conduct a number of technology transfer projects in the areas of conceptual modeling, semantic interoperability and enterprise semantics in a number of large companies in sectors such as Telecommunications, Software Engineering, Digital Advertisement, Product Recommendation, Digital Journalism, Complex Media Management, Energy (Petroleum and Gas), among others. In 1998, I have also co-founded a technology company that was responsible for the implementation of the first SMS (Short-Message-Peer-to-Peer) system in Brazil. This company was also responsible for the creation of a Digital Advertisement Broker, which later became one of the key players in the Brazilian digital advertisement market.

As an additional technology transfer activity, I have always been motivated to contribute to international standards. For instance, I have co-founded with the Brazilian W3C branch, the first Brazilian W3C work group on Ontologies and Government Interoperability (*OntoGOV*). Between 2013-2016, I have been selected by the Brazilian W3C branch to represent the institution in the W3C international technical committees (e.g., the W3C workings groups of Government Linked Data and, currently, the Data on the Web Best Practice initiative). I have also participated in an international consortium with participants from institutions such as Model Driven Solutions, European Space Agency and ABN AMRO Bank, among others, working on a response for OMG's SIMF RFP. Finally, additional initiatives developed at my previous lab have influenced other international standards. For instance, a number of suggestions derived from our analysis of Archimate's Motivation Extension have promoted

changes to that standard. Moreover, the Unified Foundational Ontology (UFO), one of the most prominent products of my Lab, has been adopted as a theoretical basis for an international proposal for the *ISO SC7 Ontology Standards in Software Engineering*.

I have a PhD degree in Computer Science from the University of Twente, in The Netherlands. My PhD thesis received a *Mef Lof* predicate, which in the Netherlands is equivalent to the *Summa Cum Laude* and is granted in *extremely rare cases*. I have authored more than 230 peer-reviewed scientific publications in these areas, which received **more than 6478 citations**. These publications have received more than a dozen paper awards. My book entitled “*Ontological Foundations for Structural Conceptual Models*” (currently with circa 1100 citations) was nominated for the Jim Grey’s ACM SIGMOD Award and the *Christian Huygens Science Award* of the Dutch Royal Academy of Sciences. Moreover, I have been a *keynote speaker* in circa two-dozen international events including the 33rd International Conference on Conceptual Modeling (ER 2014) and the 16th International Conference on Business Process Management (BPM 2016). I have also played different prominent roles in several important international conferences. Examples include those of *general chair* (FOIS 2016), *program committee chair* (ER 2017, EEW 2017, FOIS 2014, IEEE EDOC 2010), *steering committee member* (ER, since 2017), *program board member/senior program committee member* (ER 2015, BPM 2018, CAISE 2012-2014, 2016), Senior Program Member (BPM), and *area associate editor* (ICIS 2018). I have also been an associate editor and editorial board member of important international journals (e.g., Applied Ontology Journal, Semantic Web Journal, Requirements Engineering Journal, Enterprise Modeling and Information Systems Architecture Journal - EMISA, Annals of Computer Science and Information Systems, and the International Journal of Information Systems Modeling and Design). I have also been elected twice as an Executive Council member of the *International Association for Ontologies and Applications (IAOA)*, and recently I have joined the Advisory Board of the same association.

Finally, in the past decade, I have been continuously teaching and developing courses in many sub-areas of Enterprise Architecture, Software Engineering, Databases and Artificial Intelligence as well as more specialized courses in Ontology-Driven Conceptual Modeling, Ontology-Driven Software Engineering and Enterprises Semantics. These specialized courses have been offered in countries such as Brazil (Federal University of Espírito Santo for more than 10 years), England (visiting professor at Brunel University), The Netherlands (e.g., SIKS research school, *Aula Magna*; GO-FAIR International Office), Argentina (IJCAI Summer School), Austria (European Summer School on Next Generation Enterprise Modeling), Italy (Visiting Professor at the University of Trento, and IAOA International Summer School on Ontological Analysis, Free University of Bozen-Bolzano) and Czech Republic (visiting professor at the Prague University of Economics) as well in industrial and government settings.

3. Education

PhD in Computer Science, 2005

University of Twente, The Netherlands

Thesis: *Ontological Foundations for Structural Conceptual Models* (441 pages)

The thesis received a “Met Lof” distinction (the Dutch equivalent of the *Summa Cum Laude* distinction, which in The Netherlands is given in extremely rare cases.

PhD Supervisor: Chris Vissers (Professor Emeritus, Knight of the Order of Oranje-Nassau)

PhD Committee: Prof. Peter Apers, Prof. Roel Wieringa, Prof. Heinrich Herre, Prof. Gerd Wagner, Dr. Paul van der Vet, Dr. Marten van Sinderen, Dr. Luís Ferreira Pires

MSc in Computer Science, 2000

Federal University of Espírito Santo, Brazil

Thesis: *A Methodological Approach to Reuse-Oriented Software Development based on Formal Domain Ontologies* (202 pages), **GPA (Grade Point Average): 9.9 (out of 10)**

MSc Supervisor: Prof. Ricardo A. Falbo

4. Teaching and Academic Duties

I have lectured at the undergraduate and graduate levels (PhD and Master) at the Free University of Bozen-Bolzano (since 2016), Federal University of Espírito Santo (2006-2016), University of Trento (2014), and Prague University of Economics (2007, 2011, 2014, 2016), but also in various international research schools such as at the International Joint Conference on Artificial Intelligence Summer School (IJCAI, Buenos Aires, 2014), the European Summer School on Next-Generation Enterprise Modeling (2014 - Austria), the IAOA International School on Ontological Analysis (2012 - Italy), the BID-financed Summer School on Software Engineering (2006 - Argentina). Finally, I have presented tutorials in a number of renowned international conferences (e.g., International Conference on Conceptual Modeling – ER 2015, International Conference on Advanced Information Systems Engineering - CAISE 2012, International Conference on Software Language Engineering - SLE 2012, International Conference on Conceptual Modeling - ER 2009).

My longest formal teaching appointment so far has been, nonetheless, at the Federal University of Espírito Santo, in Brazil. There, I have taught a number of courses at undergraduate and graduate levels in areas such as Artificial Intelligence, Ontology Engineering, Knowledge Engineering, Conceptual Modeling, Software Engineering, and Databases. From 2013 until 2015, I was on a sabbatical leave as a visiting professor at the University of Trento (UNITN). In January 2014, I have thought the following course at the PhD School at the Department of Informatics and Telecommunications (DISI) at the UNITN: Ontology-Driven Conceptual Modeling with Applications. Since 2016, I have been teaching at the Free University of Bozen-Bolzano (Italy) the following topics: IT Service Management, Data Semantics, Technical and Scientific Communication and Information Systems Design.

Over the years, I have also (co)supervised nearly two dozen successfully completed MSc Projects. Nearly the totality of these master thesis resulted in **at least one peer reviewed scientific publication**. Many of them resulted in **several publications in renowned international conferences** (e.g., ER, ISWC, EDOC), and a number of them also resulted in

scientific journal publications in **renowned journals** (e.g., Information Systems, Applied Ontology, DKE).

I have also (co)supervised 4 PhD students at the Federal University of Espírito Santo (UFES), in Brazil and actively participated in the co-supervision of 3 PhD projects at the University of Trento (Italy). I am currently supervising 4 PhD students. Furthermore, I have supervised 3 post-doctoral researchers. Finally, I am currently supervising 1 Assistant Professor (Daniele Porello) at the Free University of Bozen-Bolzano.

Over the years, I have participated in a number of PhD defense committees in Argentina, Brazil, Italy, The Netherlands, Spain, Czech Republic, France, Belgium, and Portugal.

5. Major Scientific Contributions

I am recognized especially for the following contributions:

1. The ***Modeling Language OntoUML***. This language is a pattern-based and ontologically well-founded version of the Unified Modeling Language (UML). Moreover, it includes a system of interrelated axiomatic theories providing modeling foundations for all Conceptual Modeling major concepts including theories for: types and taxonomic structures (including roles), part-whole relations, events, formal and material relations, dependent (weak) entities, attributes and attribute value and measurement spaces (roughly datatypes). The language (and its foundations) has been adopted by many institutions worldwide (in academia, industry and government). In particular, OntoUML has been considered as a candidate for addressing the OMG SIMF (Semantic Information Model Federation) Request for Proposals after a report of its successful use over the years by a department of the U.S. Department of Defense (DoD)¹. Some of the foundations put forth by OntoUML have influenced other modeling languages such as ORM 2.0. It has also influenced other groups worldwide to adopt OntoUML as part of their research agenda. One example is the Centre for Conceptual Modeling (CCM) in Czech Republic (<https://ccmi.fit.cvut.cz/home/>), which offers OntoUML as part of their education program, training circa 70 students every year on the subject. Finally, the language has been adopted by the Brazilian Federal Program on Data Transparency and Government Interoperability as a representation language for publishing public ontologies in its *Persistent Ontology and Vocabulary Repository* (<http://vocab.e.gov.br>). A google query for “OntoUML” returns 44.700 results.
2. The ***UFO ontology (Unified Foundational Ontology)***, a rigorous axiomatic theory of upper-level concepts and relations, inspired by philosophical, logical, cognitive and linguistic considerations, adopted in multiple projects and applications worldwide. UFO has been conceived for addressing the specific needs for foundations in Conceptual and Enterprise Modeling. In particular, UFO has been considered as a foundation for a proposal to address the *ISO SC7 RFP for Ontology-Based Software Engineering standards*. Moreover, it has been used to provide an ontological analysis and re-design proposal, which has influenced the ARCHIMATE International Standard (Open

¹See http://www.omgwiki.org/architecture-ecosystem/doku.php?id=simf_candidates_and_gaps and http://www.omgwiki.org/architecture-ecosystem/doku.php?id=uml_based_data_modeling_for_an_enterprise_data_model

Group). The UFO ontology has also influenced the Brazilian Federal Program on Data Transparency and Government Interoperability. In particular, the current efforts towards a Public Ontology of Services of the National Infrastructure of Open Data (INDA) have been influenced by UFO-S (<http://wiki.gtinda.ibge.gov.br/Ontologia-Servicos-Publicos.ashx>). A query with “Unified Foundational Ontology” returns 9.560 results.

3. The OntoUML methodology, a set of *methodological principles and computational tools* for well-founded conceptual modeling. Among them, we have a novel approach for model validation via visual simulation and a set of transformation models and methodological guidelines for the semi-automatic generation of different types of implementations from OntoUML models. These approaches have been fully implemented in an open-source OntoUML tool termed *OLED (OntoUML Lightweight Editor)*² and are the basis of the professional solutions offered by the spin off company Menthor (<http://www.menthor.net>).
4. A catalog of *ontological design patterns*, and empirically-elicited *ontological anti-patterns*. Among these ontological patterns we have the “*Role with Multiple Allowed Types*” pattern, whose describing paper won a CAISE *best paper award*. This pattern addresses a much discussed and hitherto unsolved recurrent modeling problem in the literature and, since its publication, it has been extensively adopted by many authors. In a recent work, we have employed the approach of conceptual validation via visual simulation just described to analyze a model benchmark of five-dozen OntoUML models produced by researchers and practitioners. As a result of that analysis, we have proposed the first comprehensive catalog of Ontology-Based Conceptual Modeling Anti-Patterns.
5. A theory and methodology for the *ontology-based evaluation and (re)design* of the formal and real-world semantics, abstract syntax and even concrete syntax *of conceptual modeling languages*. This theory has been successfully employed for analyzing, re-designing and integrating many major Software Engineering and Enterprise Modeling Languages and Standards including OntoUML, ARIS, ARCHIMATE, i*Star/TROPOS.

6. Services to the Scientific Community (selection)

1. Leader of the Conceptual and Cognitive Modeling Research Group (CORE - <https://www.inf.unibz.it/krdp/core/>), Faculty of Computer Science, Free University of Bozen-Bolzano, Italy (since 2017).
2. Founder and former Coordinator of the Ontology and Conceptual Modeling Research Group (NEMO), Computer Science Department, Federal University of Espírito Santo (UFES), Brazil (between 2006-2016). *This is a research group with circa 50 members including permanent staff and students.*
3. Member of the Quality & Strategy Committee of the Free University of Bozen-Bolzano, Italy (since 2017).
4. Member of the Steering Committee of the International Conference on Conceptual Modeling (ER), since 2017 (*together with Peter Chen, Oscar Pastor, Antoni Olive,*

²See, for instance, <https://code.google.com/p/ontouml-lightweight-editor/>, <https://www.facebook.com/ontoumleditor>, <https://www.youtube.com/channel/UC9pKWYDVEevmDHaGQybAB1g>

Yair Wand, Paul Johannesson, Veda Storey, Juan Trujillo, Heinrich Mayr).

5. Regular program committee member of a number of prestigious scientific events (*only conferences and a selection*):

- **ACM/IEEE MODELS** (International Conference on Model-Driven Languages and Systems - 2015)
- **AAAI** (AAAI Conference on Artificial Intelligence – 2016, 2017)
- **IJCAI** (International Joint Conference on Artificial Intelligence – 2015, 2016, 2018)
- **ECAI** (European Conference on Artificial Intelligence – 2018)
- **ISWC** (International Semantic Web Conference – 2013, 2014, 2016)
- **ESWC** (Extended Semantic Web Conference – 2012, 2013, 2014, 2015, 2016, 2017, 2018)
- **KR** (International Conference on Knowledge Representation and Reasoning - 2016)
- **CAISE** (International Conference on Advanced Information Systems Engineering – 2012, 2013, 2014, 2015, 2016, 2018, 2019)
- **ER** (International Conference on Conceptual Modeling – 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019)
- **FOIS** (International Conference on Formal Ontology in Information Systems – 2012, 2014, 2016, 2018)
- **BPM** (International Conference on Business Process Management – 2018)
- **CoopIS** (International Conference on Cooperative Information Systems – 2015, 2016, 2017)
- **IEEE EDOC** (International Enterprise Computing Conference – 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018)
- **IEEE CBI** (International Conference on Business Informatics – 2017, 2018),
- **RuleML** (International Web Rule Symposium – 2011, 2012, 2013, 2014, 2016, 2017)
- **PoEM** (10th IFIP WG 8.1 Working Conference on The Practice of Enterprise Modeling - 2017)
- **SLE** (International Conference on Software Language Engineering – 2009, 2013, 2014)
- **ADBIS** (East-European Conference on Advances in Databases and Information Systems – 2016, 2018)
- **IEEE RCIS** (International Conference on Research Challenges in Information Science – 2012, 2013, 2014, 2015, 2016, 2017, 2018)
- **ACM SAC** (Symposium on Applied Computing - in 2008, 2009, 2011, 2012, 2013, 2014, 2015)
- **ISD** (International Conference on Information Systems Development – 2010, 2013, 2014, 2017)
- **BPMDS** (International Conference on Business Process Modeling, Develop. and Support – 2011, 2012, 2013)
- **ICBO** (International Conference on Biomedical Ontology – 2012)
- **EMMSAD** (International Working Conference on Exploring Modeling Methods for Systems Analysis and Design – 2017)
- **BIR** (International Conference on Perspectives on Business Informatics Research – 2016)
- **KEOD** (International Conference on Knowledge Engineering and Ontology Development).

6. General Chair of the 9th International Conference on Formal Ontology in Information

- Systems (FOIS 2016).
7. Program Committee Chair of the 36th International Conference on Conceptual Modeling (ER 2017).
 8. Workshops Chair of the 38th International Conference on Conceptual Modeling (ER 2019).
 9. Senior Program Committee Member of the Foundations Track of the International Conference on Business Process Management (BPM).
 10. Area Associate Editor (Conceptual Modeling Track) for the International Conference on Information Systems (ICIS 2018).
 11. Invited to be the PC-Chair of the 10th Enterprise Engineering Workshop Conference (EEWC 2019), Portugal.
 12. PC-Chair of the 9th Enterprise Engineering Workshop Conference (EEWC 2018), Luxembourg.
 13. Chair of the Track on Foundational Ontologies at 8th Enterprise Engineering Workshop Conference (EEWC 2017), Antwerpen, Belgium.
 14. Co-Organizer of the Lorentz Workshop on FAIR Scientific Data (2017), Leiden, The Netherlands.
 15. Twice elected as Executive Council member of the International Association for Ontology and its Applications (IAOA)(2010-2014) and, hence, member of the Steering Committee of the International Conference on Formal Ontology in Information Systems (FOIS)
 16. Advisory Board member of the International Association for Ontology and its Applications (IAOA)(*together with Anthony Cohn, Anthony Galton, Nicola Guarino, Ian Horrocks, Pat Hayes, Chistopher Menzel, Riichiro Mizoguchi, Mark Musen, John Mylopoulos, Barry Smith, John Sowa, Chris Welty and Peter Yim*)(2014-present).
 17. Associate Editor of the Applied Ontology Journal (2015-present)(*together with Barry Smith, Alan Rector, John Bateman, Anthony Galton, Leo Obrst, Michael Uschold and Laure Vieu*).
 18. Member of the Advisory Board of the International Workshop on Software Knowledge (SKY)
 19. General Chair of the 2nd IAOA International Summer School on Ontological Analysis (2014)
 20. Organizational chair of the 8th International Conference on Formal Ontology in Information Systems (FOIS)(2014)³
 21. Member of Advisory Board of the CIAO! Network of Enterprise Engineering
 22. Program Committee chair of the 7th International Conference on Formal Ontology in Information Systems (FOIS)(2012)
 23. Program Committee chair of the 14th Intl. IEEE Enterprise Computing Conference (EDOC)(2010)
 24. Nominated Full Member of the IFIP Working Group WG8.1 on Design and Evaluation of Information Systems (since june, 2015)
 25. Invited member of the expert group advising on a European Commission project on Ontology-Based Interoperability of Smart Appliances (2014-present).

³FOIS 2014 was considered the most successful edition of this conference. It was the biggest edition in term of number of submissions, number of participants and number of parallel events, but also the most successful edition from a financial point of view.

26. Member of the Program Board⁴ of the International Conference on Conceptual Modeling (ER 2015)
27. Invited participant of an international effort working on a response to the *ISO SC7 RFP for Ontology-Based Software Engineering standards* (group led by Brian Henderson-Sellers, University of Technology Sydney).
28. Invited participant of an international effort working on a response to the *OMG SIMF (Semantic Information Model Federation)* (group led by Cory Casanave and composed of members of the European Space Agency, ABN AMRO, ING Bank, TMForum, PNA Group, among others - <http://www.omgwiki.org/architecture-ecosystem/doku.php?id=simfteam>).
29. Tutorial Chair for International Conference on Advanced Information Systems Engineering (CAISE 2012)
30. Demo Chair and organizer of the Symposium on Conceptual Modeling Education (together with Ernest Teniente) for International Conference on Conceptual Modeling (ER 2015)
31. Program Board⁵ member of the International Conference on Advanced Information Systems Engineering (CAISE)(2012, 2013, 2014 and 2016)
32. Editorial Board member of the following international journals: *Applied Ontology (2010-ongoing)*, *Requirements Engineering Journal (2013-on going)*, *International Journal of Information Systems Analysis and Design (2006-on going)*, *Annals of Computer Science and Information Systems (2017-on going)*, *Enterprise Modelling and Information Systems Architectures (2017-on going)*, also *Semantic Web Journal (2010-2014)*.
33. Co-Founder of International Workshop Series on Ontologies and Conceptual Modeling (Onto.Com) and Organizer of the 2011, 2012, 2014, 2016 and 2017, 2018 editions
34. Co-Founder of International Workshop Series on Vocabularies, Ontologies and Rules for The Enterprise (VORTE) and organizer of the 2005, 2006, 2007, 2010, 2011 and 2017 editions.
35. Reviewer for following international journals: IEEE Transaction on Software Engineering, IEEE Transaction on Knowledge and Data Engineering, Management Information Systems Quarterly (MISQ), Software and System Modeling, Journal of Data Semantics, Information Systems, IEEE Computational Intelligence Magazine, Computer Standards & Interfaces, among others.
36. Co-chair (with Yair Wand and Oscar Pastor) of the IAOA Special Interest Group on Ontologies and Conceptual Modeling (2010-present)
37. Co-chair (with Riichiro Mizoguchi) of the IAOA International Outreach Committee (2011-2013)
38. Advisory Board member of of the Ontology Summit (editions 2011-2014)
39. Co-Founder and Scientific Advisor of the W3C Brazil Special Interest Group OntoGOV (Ontologies and Semantic Interoperability in Government), which now includes representative of all major Brazilian Federal Administration Units concerned with Data Transparency and Interoperability.
40. Member of the following W3C working groups: Government Linked Data working

⁴The Program Board is a body constituted by senior members of the community that coordinates the activities of the conference Program Committee.

Group (GLD)(2013-2014) and Data on the Web Best Practices working Group (GLD)(2014-present)

41. Scientific consultant of W3C Brazil/Brazilian Ministry of Planning (2011).
42. Organizer of the 1st Doctoral Consortium at the International Conference on Conceptual Modeling (ER 2008), with John Mylopoulos and Jordi Cabot.
43. Organizer of the 2nd Doctoral Consortium at the International Conference on Conceptual Modeling (ER 2009), with Stefano Spaccapietra.
44. Co-Founder in Brazil of the Brazilian Symposium on Ontological Research and member of its Steering Committee (event now in its 9th edition and regular attended by around 100 participants).

7. Invited Presentations (selection)

1. **Keynote Speaker** at the 14th International Workshop on Enterprise & Organizational Modeling and Simulation (EOMAS), together with the 30th International Conference on Advanced Information Systems Engineering (CAISE 2018), Tallin, Estonia, 2018.
2. Invited as a **Keynote Speaker** at the International Conference on Applied Informatics (ICAI 2018), Bogotá, Colombia, 2018 (*declined due conflicts in the agenda*).
3. **Invited Speaker at the Distinguished Lecture Series**, High Technical Institute, Faculty of Engineering, University of Lisbon, 2018 (*other invitees include Pedro Domingos, Dannis Shasha and Marija Ilic*). Other appointments of this kind include the *Aula Magna* at the Dutch SIKS School on Knowledge and Data Engineering, The Netherlands (2008).
4. **Keynote Speaker** at the 3rd International Joint Ontology Workshops (JOWO) – The Tyrolean Summer, Bolzano, Italy, 2017.
5. **Keynote Speaker** at the International Federated Conference Computer Science and Information Systems (FedCSIS 2017), Prague, Czech Republic, 2017.
6. Invited Speaker at the FOUST (Foundational Stance) Workshop, Bolzano, Italy, 2017.
7. **Keynote Speaker** at the 9th Brazilian Seminar on Ontological Research (ONTOBRAS 2017), Brasilia, Brazil.
8. **Keynote Speaker** at the 14th International Conference on Business Process Management (BPM 2016), Rio de Janeiro, Brazil.
9. **Keynote Speaker** at the NoMagic World Symposium, Dallas, Texas, 2016.
10. **Keynote Speaker** at the 15th International Conference on Perspectives in Business Informatics (BIR 2016), Prague, Czech Republic
11. **Keynote Speaker** at the 6th International Enterprise Engineering Working Conference (EEWC 2016), Madeira Island, Portugal.
12. Invited panelist at the Business Process Management and Ontologies (BPMO) workshop, part of the 14th International Conference on Business Process Management (BPM 2016), Rio de Janeiro, Brazil, together with *Pablo Villarreal*.
13. **Keynote Speaker** at the 7th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K 2015), Lisbon, Portugal.
14. **Keynote Speaker** at the 33rd International Conference on Conceptual Modeling (ER 2014), Atlanta, USA.
15. **Keynote Speaker** at the 18th Iberoamerican Conference on Software Engineering

- (CIBSE 2015), Lima, Peru.
16. **Keynote Speaker** at the Argentinean Symposium on Ontologies and its Applications (SAOA 2015), together with the 44th Argentinean Joint Conference on Informatics (JAIIO 2015), Rosario, Argentina, 2015.
 17. Invited Speaker, Industrial Meeting on Ontology-Driven Conceptual Modeling: Vision and Applications, Rovereto, Italy, 2015.
 18. **Keynote Speaker** at the 1st International Workshop on Enterprise Modeling (ENMO 2014), 33rd International Conference on Conceptual Modeling (ER 2014), Atlanta, USA.
 19. Invited panelist on the panel on Conceptual Modeling Education at the 33rd International Conference on Conceptual Modeling (ER 2014), Atlanta, USA (*together with Sham Navathe, Karin Davis and Lois Delcambre*).
 20. Invited Speaker at the International Research School at the Joint Conference on Artificial Intelligence (IJCAI 2015), Buenos Aires, 2014.
 21. Invited Speaker at Next-Generation Modeling Summer School, Klagenfurt, Austria, 2014.
 22. **Keynote Speaker** at the 7th International Workshop on i*Star Modeling, part of the 26th International Conference on Advanced Information Systems Engineering (CAISE 2014), Thessaloniki.
 23. Invited Participant for Dagstuhl Seminars on Spatial Semantics and Robotics (2014), Cognitive Approaches to the Semantic Web (2012=).
 24. Invited Speaker at the W3C Conference Brazil, São Paulo, 2014.
 25. Invited panelist at the 25th Italian Association for Artificial Intelligence, 2013. *panel on 25 years of Applied Ontology (together with Maurizion Lenzerini, Laure Vieu and Guido Boella)*.
 26. Invited Speaker at the 5th International Conference on Software Language Engineering (SLE 2012), Dresden, Germany.
 27. Invited Speaker at the 1st IAOA International Summer School on Ontological Analysis, Trento, Italy, 2012 (*together with Kevin Mulligan, Cristiane Felbaum, Luciano Serafini and Chiara Ghidini*).
 28. Invited Participant at the International Meeting on Conceptual Spaces, Lund University, Dagstuhl-like event organized by Prof. Peter Gardenfors with the support of the Royal Swedish Academy of Science, Lund, 2012.
 29. **Keynote Speaker** at the 8th Brazilian Seminar on Ontological Research (ONTOBRAS 2012), Recife, Brazil.
 30. Invited Panelist at the 24th International Conference on Advanced Information Systems Engineering (CAISE 2012), Gdansk (*together with Matthias Jarke, Erik Proper and Oscar Pastor*).
 31. **Keynote Speaker** at the 4th International Workshop on Ontology-Driven Information Systems (ODISE 2012), part of the 7th International Conference on Formal Ontology in Information Systems (FOIS 2012), Graz, 2012. *Ontology-Driven Conceptual Modeling*.
 32. Invited Speaker at the Ontolog Mini-Series Earth Science on Event Heterogeneity-preserving Data Interoperability: Methods and Challenges, 2012.
 33. Invited Speaker at the 1st Colloquium on Linguistic for the Automatic Processing of Natural Language (LIPRA 2012), Vitoria, Brazil, 2012.
 34. Invited Speaker at the Workshop on Semantics for Biodiversity, Recife, Brazil, 2012.

35. Invited Speaker at the Ontology Summit 2012.
36. Invited Speaker at the International Conference on Electronic Government and Open Software (CONSEGI 2011), Brasilia, Brazil.
37. Invited Speaker at the ISKO Conference (International Society for Knowledge Organization), Brasilia, Brazil, 2011.
38. Invited Panelist at the W3C Conference Brazil, Rio de Janeiro, 2011.
39. Invited Speaker at the DynaLearn Workshop (Artificial Intelligence and Education), Brasilia, Brazil, 2011.
40. Invited Panel Moderator at the United Nations Development Program (UNDP), Global Forum on Government Interoperability Frameworks, Panel on Semantics and People, 2010.
41. **Keynote Speaker** at the International Workshop on Service Oriented Enterprise Architecture for Enterprise Engineering (SoEA4EE 2010), part of the IEEE Enterprise Computing Conference, Vitória, Brazil.
42. Distinguished Speaker (*Aula Magna*) at the Dutch SIKS Research School on Data and Knowledge Modeling, The Netherlands, 2009.
43. **Keynote Speaker** at the Latin American Conference on Web (LAMWeb 2008)/Brazilian Conference on Multimedia Systems at the Web (Webmedia 2008)/Brazilian Conference on Cooperative Systems (SBSC 2008).
44. Invited Speaker at the International Summer School on Software Engineering, Santa Fé, Argentina, 2006.
45. **Keynote Speaker** at the Baltic Conference on Databases and Information Systems (BALTIC DB&IS 2006).

8. Awards

1. *Best Student Paper* award (Claudenir Moraes de Fonseca), 37th International Conference on Conceptual Modeling (ER 2018), Xi'an, China, 2018.
2. *Best Paper* award at the 21st IEEE International Conference on Enterprise Computing (EDOC 2017), Quebec, Canada, 2017.
3. *Best Student Paper* award (with Tiago Prince Sales) 21st IEEE International Conference on Enterprise Computing (EDOC 2017), Quebec, Canada, 2017.
4. *Distinguished paper* award at the 9th International Conference on Formal Ontology in Information Systems (FOIS 2016), Annecy, France, 2016.
5. *Best paper* award at the 34th International Conference on Conceptual Modeling (ER 2015), Stockholm, Sweden, 2015.
6. *Best paper* award at 30th ACM Symposium on Applied Computing (ACM SAC 2015), Salamanca, Spain 2015.
7. Three times recipient of the Brazilian National Research Council *High Productivity Grant*. This is a personal grant given to highly productive researchers working in Brazil.
8. *Best paper* award at the 16th International Conference on Advanced Information Systems Engineering (CAISE 2004), Riga, Latvia, June 2004.
9. *Distinguished paper* award at the 8th International Conference on Formal Ontology in Information Systems (FOIS 2014), Brazil, 2014.
10. *Best paper* award at the IEEE 17th International Conference on Enterprise Computing

- (EDOC 2013), Vancouver, 2013
11. *Best paper* award at the IEEE 15th International Conference on Enterprise Computing (EDOC 2011), Finland, 2011
 12. *Distinguished paper* award at the 25th Brazilian Conference on Databases (SBBD 2011), Brazil, 2001.
 13. *Distinguished paper* award at the 11th Iberoamerican Conference on Software Engineering (CIbSE 2008), Recife, Brazil, 2008.
 14. *Best paper* award at the 15th Brazilian Conference on Software Engineering (SBES 2001), Rio de Janeiro.
 15. Nomination for the Christian Huygens Award of the Royal Dutch Academy of Sciences, 2005.
 16. Official Nomination to represent the University of Twente in the ACM Jim Grey Best Dissertation Award, 2006.
 17. Honoric Title by the Municipality of Vitória in Brazil for contributions to Science.

9. Scientific Output

	Since 2002	Since 2013
Citations	6478	3966
h-index	41	30
i10-index	129	105

Over the years, I have published in many internationally renowned conferences. These include the International Semantic Web Conference (ISWC), Extended Semantic Web Conference (ESWC), International Conference on Conceptual Modeling (ER), the International Conference on Advanced Information Systems Engineering (CAISE), the, the IEEE International Conference on Requirements Engineering (RE), the IEEE International Conference on Enterprise Computing (EDOC), among others. I have also published in important international journals (e.g., Applied Ontology, Semantic Web Journal, Information Systems, Data & Knowledge Engineering, Computers & Standards, the Journal of Biomedical Informatics, Enterprise Information Systems). A Full list of publications can be found below:

Publications

1. DUARTE, B. B., SOUZA, V.E.S., LEAL, A.L.C., FALBO, R.A., GUIZZARDI, G., GUIZZARDI, R.S.S., Ontological foundations for software requirements with a focus on requirements at runtime, Applied Ontology, 2018.
2. SALES T., PORELLO, D., GUIZZARDI, G., MYLOPOULOS, J., GUARINO, N., Ontological Foundations of Competition, 10th International Conference on Formal Ontologies and Information Systems (FOIS 2018), Cape Town, South Africa, 2018 (Frontiers of Artificial Intelligence with Applications).
3. NICOLA, J.R., GUIZZARDI, G., Individual Determinacy and Identity Criteria in Ontology-Driven Information Systems, 10th International Conference on Formal Ontologies and Information Systems (FOIS 2018), Cape Town, South Africa, 2018.

4. GUIZZARDI, G., FONSECA, C., BENEVIDES, A.B., ALMEIDA, J.P., PORELLO, D., SALES, T.P., Endurant Types in Ontology-Driven Conceptual Modeling: Towards OntoUML 2.0, 37th International Conference on Conceptual Modeling (ER 2018), Xi'an, China.
5. GUARINO, N., SALES, T.P., GUIZZARDI, G., Reification and Truthmaking Patterns, 37th International Conference on Conceptual Modeling (ER 2018), Xi'an, China.
6. SALES, T.P., BAIÃO, F., GUIZZARDI, G., GUARINO, G., MYLOPOULOS, J., The Common Ontology of Value and Risk, 37th International Conference on Conceptual Modeling (ER 2018), Xi'an, China.
7. GRIFFO, C., ALMEIDA, J.P., GUIZZARDI, G., Conceptual Modeling of Legal Relations, 37th International Conference on Conceptual Modeling (ER 2018), Xi'an, China.
8. DUARTE, B.B., FALBO, R., GUIZZARDI, G., GUIZZARDI, R.S.S., SOUZA, V.E.S., Towards an Ontology of Software Defects, Errors and Failures, 37th International Conference on Conceptual Modeling (ER 2018), Xi'an, China.
9. FONSECA, C., ALMEIDA, J.P., GUIZZARDI, G., CARVALHO, V.A., Multi-Level Conceptual Modeling: From a Formal Theory to a Well-Founded Language, 37th International Conference on Conceptual Modeling (ER 2018), Xi'an, China. **(BEST STUDENT PAPER AWARD)**
10. SALES, T.P., ALMEIDA, J.P.A., SANTINI, S., BAIÃO, F., GUIZZARDI, G., Ontological Analysis and Redesign of Risk Modeling in ArchiMate, 22nd IEEE International Enterprise Computing Conference (EDOC 2018), Stockholm, 2018.
11. FIGUEREDO, G., DUCHARD, A., HEDBLÖM, M., GUIZZARDI, G., Breaking into Pieces: An Ontology-Based Approach for Conceptual Modeling Complexity Management, IEEE 12th International Conference on Research Challenges in Information Science (RCIS 2018), Nantes, France, 2018.
12. ALMEIDA, J.P.A., COSTA, P.D., GUIZZARDI, G., Towards an Ontology of Scenes and Situations, IEEE Conference on Cognitive and Computational Aspects of Situation Management (CogSIMA), Boston, USA, 2018.
13. HEDBLÖM, M., PENALOZA, R., GUIZZARDI, G., KUTZ, O., Under the Super-Suit: What Superheroes Can Reveal About Inherited properties in Conceptual Blending, 9th International Conference on Computational Creativity (ICCC 2018), Salamanca, 2018.
14. PORELLO, D., GUIZZARDI, G., Towards an Ontological Modelling of Preference Relations, 17th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2018), Trento, 2018.
15. GUARINO, N., GUIZZARDI, G., SALES, T., On the Ontological Nature of REA Core Relations, 12th International Workshop on Value Modeling and Business Ontology (VMBO 2018), Amsterdam, 2018.
16. SALES, T., GUARINO, N., GUIZZARDI, G., MYLOPOULOS, M., Towards and Ontology of Competition, 12th International Workshop on Value Modeling and Business Ontology (VMBO 2018), Amsterdam, 2018.
17. ALMEIDA, J.P.A., CARVALHO, V.A., BRASILEIRO, F., FONSECA, C.M., GUIZZARDI, G., Multi-Level Conceptual Modeling: Theory and Applications

- (Invited Paper), 11th Brazilian Seminar on Ontology Research (Ontobras 2018), São Paulo, Brazil, 2018.
18. RUY, F., GUIZZARDI, G., FALBO, R., REGINATO, C.C., SANTOS, V.A., From Reference Ontologies to Ontology Patterns and Back, *Data & Knowledge Engineering*, Elsevier, 2017.
 19. CARVALHO, V.A., ALMEIDA, J.P.A., FONSECA, C, GUIZZARDI, G., Multi-Level Ontology-Based Conceptual Modeling, *Data & Knowledge Engineering*, Elsevier, 2017.
 20. MAYR, H.C., GUIZZARDI, G., MA, H., PASTOR, O. (Editors), 36th International Conference on Conceptual Modeling (ER 2017), *Lecture Notes in Computer Science – LNCS 10650*, Springer-Verlag, Berlin, ISBN 978-3-319-69903-5, 2017.
 21. SALES, T.P., GUARINO, N., GUIZZARDI, G., MYLOPOULOS, J., An Ontological Analysis of Value Propositions, 21st IEEE Enterprise Computing Conference (EDOC 2017), Québec City, Canada, 2017. **(BEST PAPER AWARD)**.
 22. CRIFFO, C., ALMEIDA, J.P.A., GUIZZARDI, G., From an Ontology of Service Contracts to Contract Modeling in Enterprise Architecture, 21st IEEE Enterprise Computing Conference (EDOC 2017), Québec City, Canada, 2017. **(BEST PAPER AWARD)**.
 23. GUIZZARDI, G., SALES, T.P., “As Simple as Possible but not Simpler”: Towards an Ontology Model Canvas, Invited Paper as a companion to the Keynote Speech at the 3rd International Joint Ontology Workshop (JOWO 2017), in Bozen-Bolzano, Italy, 2017. **(KEYNOTE SPEECH PAPER)**
 24. SALES, T.P., GUIZZARDI, G., “Is it a Fleet or a Collection of Ships?”: Ontological Anti-Patterns in the modeling of Part-Whole Relations, 21st European Conference on Advances in Databases and Information Systems (ADBIS 2017), Cyprus, 2017.
 25. PORELLO, D., GUIZZARDI, G., Towards a Cognitive Semantics of Types, Proceedings of the 16th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2017), *Lecture Notes in Computer Science (LNCS)*, Bari, Italy, 2017.
 26. ZAMBOM, E., GUIZZARDI, G., Formal Definition of a General Ontology Pattern Language using a Graph Grammar, Proceedings of the 13th International Federated Conference on Computer Science and Information Systems (FedCSIS 2017), Prague, 2017, IEEE Computer Society. **(KEYNOTE SPEECH PAPER)**
 27. BOURGET, J-R, GUIZZARDI, G., BENEVIDES, A., ZAMBORLINI, V., Empirically Evaluating Three Proposals for Representing Changes in OWL2, 3rd International Joint Ontology Workshops (JOWO 2017), Bolzano, Italy, International Workshop on Ontology Design and Evaluation (DEW 2017).
 28. PORELLO, D., GUIZZARDI, G., Towards a First-Order Modal Formalisation of the Unified Foundational Ontology, 3rd International Joint Ontology Workshops (JOWO 2017), Bolzano, Italy, 2nd International Workshop on the Foundational Stance on Ontologies (FOUST 2017).
 29. BENEVIDES, A., BOURGET, J-R, GUIZZARDI, G., PENALOZA, R., Representing the UFO-B Foundational Ontology of Events in SROIQ, 3rd

- International Joint Ontology Workshops (JOWO 2017), Bolzano, Italy, 2nd International Workshop on the Foundational Stance on Ontologies (FOUST 2017).
30. DETONI, A.A., MIRANDA, G.M., RENAULT, L.D.C., ALMEIDA, J.P.A., FALBO, R.A., GUIZZARDI, G., BAIÃO, F., GUIZZARDI, R.S.S., Where Enterprise Architecture and Early Ontology Engineering Meet: A Case Study in the Public Security Domain, 3rd International Joint Ontology Workshops (JOWO 2017), Bolzano, Italy, 8th International Workshop on Formal Ontologies meet Industry (FOMI 2017).
 31. DETONI, A.A., MIRANDA, G.M., RENAULT, L.D.C., FALBO, R.A., ALMEIDA, J.P.A., GUIZZARDI, G., BARCELLOS, M.P., Exploring the Role of Enterprise Architecture Models in the Modularization of an Ontology Network: A Case in the Public Security Domain, 9th International Workshop on Vocabularies, Ontologies and Rules for the Enterprise (VORTE 2017) at the 21st IEEE Enterprise Computing Conference (EDOC 2017), Québec City, Canada, 2017..
 32. POLETAEVA, T., GUIZZARDI, G., ALMEIDA, J.P., ABDULRAB, H., Revisiting the DEMO Transaction Pattern with the Unified Foundational Ontology (UFO), 7th International Enterprise Engineering Working Conference (EEWC 2017), Antwerpen, 2017.
 33. NEGRI, P.P., SOUZA, V.E.S., LEAL, A.L.C., FALBO, R.A., GUIZZARDI, G., Towards an Ontology of Goal-Oriented Requirements, 20th Iberoamerican Conference on Software Engineering (CIBSE 2017), together with the 39th International Conference on Software Engineering (ICSE'17), Buenos Aires, 2017.
 34. GUARINO, N., LONGO, A., GUIZZARDI, G., Services as Activities: Towards a Unified Definition for (Public) Services, 11th International Workshop on Value Modeling and Business Ontologies (VMBO 2017), Luxembourg, 2017.
 35. SALES, T.P., GUARINO, G., GUIZZARDI, G., MYLOPOULOS, J., Towards an Ontological Analysis of Value Propositions, 11th International Workshop on Value Modeling and Business Ontologies (VMBO 2017), Luxembourg, 2017.
 36. AVEIRO, D., PERGL, R., GUIZZARDI, G., ALMEIDA, J.P., MAGALHÃES, R., LEKKERKER, H. (Editors), Advances in Enterprise Engineering XI, Lecture Notes in Business Information Processing book series (LNBIP, volume 284), 2017. DOI: 10.1007/978-3-319-57955-9.
 37. CARVALHO, V.A., ALMEIDA, J.P.A., GUIZZARDI, G., Revisiting the UML Powertype Support with a Well-Founded Theory for Multi-Level Modeling, 28th International Conference on Advanced Information Systems Engineering (CAISE'16), Ljubljana, Slovenia, 2016.
 38. LI, F-L, HORKOFF, J., LIU, L., BORGIDA, A., GUIZZARDI, G., MYLOPOULOS, J., Engineering Requirements with Desiree: An Empirical Evaluation, 28th International Conference on Advanced Information Systems Engineering (CAISE'16), Ljubljana, Slovenia, 2016.
 39. DUARTE, B. B., SOUZA, V.E.S., LEAL, A.L.C., FALBO, R.A., GUIZZARDI, G., GUIZZARDI, R.S.S., Towards an Ontology of Requirements at Runtime, 9th International Conference on Formal Ontology in Information Systems (FOIS 2016), Annency, France, 2016 (**DISTINGUISHED PAPER AWARD**).
 40. GUIZZARDI, G., GUARINO, G., ALMEIDA, J.P.A., Ontological Considerations about the Representation of Events and Endurants in Business Models, 14th

- International Conference on Business Process Management (BPM'16), Rio de Janeiro, Brazil, 2016 (**KEYNOTE SPEECH PAPER**).
41. BRASILEIRO, F., ALMEIDA, J.P.A., CARVALHO, V.A., GUIZZARDI, G., Expressive Multi-Level Modeling for the Semantic Web, 15th International Semantic Web Conference (ISWC'16), Kobe, Japan, 2016.
 42. Ruy, F., Falbo, R.A., Barcellos, M.P., Costa, S.D., Guizzardi, G., SEON: A Software Engineering Ontology Network, 20th International Conference on Knowledge Engineering and Knowledge Management (EKAW 2016), Bologna, Italy, 2016.
 43. WANG, X., GUARINO, N., GUIZZARDI, G., MYLOPOULOS, J., How Software Changes the World: The Role of Assumptions, IEEE Tenth International Conference on Research Challenges in Information Science (RCIS 2016), Grenoble, France, 2016.
 44. BRASILEIRO, F., ALMEIDA, J.P.A., CARVALHO, V.A., GUIZZARDI, G., Applying a Multi-Level Modeling Theory to Assess Taxonomic Hierarchies in Wikidata, Wiki Workshop 2016, at the 25th International World Wide Web Conference (WWW 2016), Montreal, Canada, 2016.
 45. FALBO, R., QUIRINO, G.K., BARCELLOS, M.P., GUIZZARDI, G., An Ontology Pattern Language for Service Modeling, 31st ACM Symposium on Applied Computing (ACM SAC 2016), Pisa, Italy, 2016.
 46. TEIXEIRA, M.G.S., QUIRINO, G.K., FALBO, R., GAILLY, F., GUIZZARDI, G., BARCELLOS, M.P., PoN-S: A Systematic Approach for Applying the Physics of Notation (PoN), 21st International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2016), Ljubljana, Slovenia, 2016.
 47. Sales, T.P., Guizzardi, G., Anti-patterns in Ontology-driven Conceptual Modeling: The Case of Role Modeling in OntoUML, Ontology Engineering with Ontology Design Patterns: Foundations and Applications, A. Gangemi, P. Hizler, K. Janowicz, A. Krisnadhi, V. Presutti, IOS Press, The Netherlands, 2016.
 48. Falbo, R.A., Barcelos, M.P., Ruy, F.B., Guizzardi, G., Guizzardi, R.S.S., Ontology Pattern Languages, Ontology Engineering with Ontology Design Patterns: Foundations and Applications, A. Gangemi, P. Hizler, K. Janowicz, A. Krisnadhi, V. Presutti, IOS Press, The Netherlands, 2016.
 49. Guarino, N., Guizzardi, G., Relationships and Events: Towards a General Theory of Reification and Truthmaking, 15th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2016), Genova, Italy, 2016. Also presented as "On the Reification of Relationships" at the 24th Italian Symposium on Advanced Database Systems (SEBD'16), Lecce, Italy, 2016.
 50. Gailly, F., Roelens, B., Guizzardi, G., The Design of a Core Value Ontology using Ontology Patterns, International Workshop on Quality of Models and Models of Quality (QMMQ 2016), part of the 35th International Conference on Conceptual Modeling (ER 2016), Gifu, Japan, 2016.
 51. GRIFFO, C., ALMEIDA, J.P., GUIZZARDI, G., A Pattern for the Representation of Legal Relations in a Core Ontology of Legal Aspects, 29th International Conference on Legal Knowledge and Information Systems (JURIX), Nice, 2016.
 52. Souza, A.K., Guizzardi, R.S.S., Campos, M.L.M., Guizzardi, G., Extending an Ontology Editor for Domain-related Ontology Patterns Reuse: An Application in

- the Collaboration Domain, 8th Brazilian Symposium on Ontology Research (ONTOBRAS 2016), Curitiba, 2016.
53. Miranda, G.M., Almeida, J.P.A., Azevedo, C.L.B, Guizzardi, G., An Ontological Analysis of Capability Modeling in Defense Enterprise Architecture Frameworks, 8th Brazilian Symposium on Ontology Research (ONTOBRAS), Curitiba, 2016.
 54. Kutz, O., de Cesare, S., Hedblom, M. M., Besold, T. R., Veale, T., Gailly, F., Guizzardi, G., Lycett, M., Partridge, C., Pastor, O., Grüninger, M., Neuhaus, Till Mossakowski, F., Borgo, S., Bozzato, L., Del Vescovo, C., Homola, M., Loebe, F., Barton, A., Bourguet, J-R, Proceedings of the Joint Ontology Workshops 2016 Episode 2: The French Summer of Ontology co-located with the 9th International Conference on Formal Ontology in Information Systems (FOIS 2016), Annecy, France, July 6-9, 2016. CEUR Workshop Proceedings 1660, CEUR-WS.org 2016
 55. GUIZZARDI, G., WAGNER, G., ALMEIDA, J.P.A., GUIZZARDI, R.S.S., Towards Ontological Foundation for Conceptual Modeling: The Unified Foundational Ontology (UFO) Story, Applied Ontology, IOS Press, 2015.
 56. SALLES. T.P., GUIZZARDI, G., Ontological Anti-Patterns: Empirically Uncovered Error-Prone Structures in Ontology-Driven Conceptual Models, Data & Knowledge Engineering, Elsevier, 2015.
 57. AZEVEDO, C., IACOB, M.E., ALMEIDA, J.P., PIRES, L.F., GUIZZARDI, G., Modeling Resources and Capabilities in Enterprise Architecture: A Well-Founded Ontology-Based Proposal for ArchiMate, Information Systems, Oxford University Press, 2015.
 58. NARDI, J., FALBO, R., ALMEIDA, J.P., GUIZZARDI, G., PIRES, L.F., VAN SINDEREN, M., GUARINO, N., A Commitment-Based Reference Ontology for Services, Information Systems, Oxford University Press, 2015.
 59. GUARINO, N., GUIZZARDI, G., “We need to Discuss the Relationship”: Revisiting Relationships as Modeling Constructs, 27th International Conference on Advanced Information Systems Engineering (CAISE 2015), Stockholm, 2015
 60. CARVALHO, V.A., ALMEIDA, J.P.A., GUIZZARDI, G., Extending the Foundations of Ontology-based Conceptual Modeling with a Multi-Level Theory, 35th International Conference on Conceptual Modeling (ER 2015) Stockholm, 2015 (**BEST PAPER AWARD**).
 61. RUY, F., REGINATO, C.C., SANTOS, V.A., FALBO, R., GUIZZARDI, G., Ontology Engineering by Combining Ontology Patterns, 35th International Conference on Conceptual Modeling (ER 2015) Stockholm, 2015.
 62. QUIRINO, G., NARDI, J., BARCELOS, M., FALBO, R., GUIZZARDI, G., LONGO, A., GUARINO, N., BOCHICCHIO, M., ZAPATTORE, M., LIVIERI, B., Towards a Service Ontology Pattern Language, 35th International Conference on Conceptual Modeling (ER 2015) Stockholm, 2015.
 63. RUY, F., FALBO, F., BARCELOS, M., GUIZZARDI, G., Towards an Ontology Pattern Language for Harmonizing Software Process related ISO Standards, 30th ACM Symposium on Applied Computing (ACM SAC 2015), Salamanca, Spain 2015. (**BEST PAPER AWARD**)
 64. LI, F-L, HORKOFF, J., BORGIDA, A., GUIZZARDI, G., LIU, L., MYLOPOULOS, J., From Stakeholder’s Requirements to Formal Specifications

- through Refinement, 21st Working Conference on Requirements Engineering: Foundations for Software Quality (REFSQ 2015), Essen, Germany, 2015.
65. RUY, F., FALBO, F., BARCELLOS, M., GUIZZARDI, G., QUIRINO, G.K., An ISO-based Software Process Ontology Pattern Language and its Application for Harmonizing Standards, ACM SIGAPP Applied Computing Review Volume 15 Issue 2, 2015.
 66. GUIZZARDI, G., Logical, Ontological and Cognitive Aspects of Objects Types and Cross-World Identity with applications to the theory of Conceptual Spaces, Applications of Conceptual Space: The Case for Geometric Knowledge Representation, Peter Gardenfors and Frank Zenker (Editors), Synthese Library: Studies in Epistemology, Logic, Methodology and Philosophy of Science, Luciano Floridi (Editor in Chief), Vol. 359, Springer, Dordrecht, 2015.
 67. GUIZZARDI, G., ALMEIDA, J.P., GUARINO, N., CARVALHO, V.A., Towards an Ontological Analysis of Powertypes, International Workshop on Formal Ontologies for Artificial Intelligence (FOFAI 2015), 24th International Joint Conference on Artificial Intelligence (IJCAI 2015), Buenos Aires, 2015.
 68. GUARINO, N., GUIZZARDI, G., BOCHICCIO, M., LONGO, A., ZAPPATORE, M., Modeling Service Dynamics: a Case Study, 9th International Workshop on Value Modeling and Business Ontologies (VMBO 2015), Tilburg, 2015. An extended version of this paper was also presented at the 23rd Italian Symposium on Advanced Database Systems (SEDB 2015), Gaeta, Italy.
 69. GRIFFO, C., ALMEIDA, J.P., GUIZZARDI, G., Towards A Legal Core Ontology Based on Alexy's Theory of Fundamental Rights, ICAIL Multi-Lingual Workshop on AI & Law (MMAIL 2015), 15th International Conference on Artificial Intelligence and Law (ICAIL 2015), San Diego, 2015.
 70. GUERSON, J., SALES, T.P., GUIZZARDI, G., ALMEIDA, J.P., OntoUML Lightweight Editor: A Model-Based Environment to Build, Evaluate and Implement Reference Ontologies, 19th IEEE Enterprise Computing Conference (EDOC 2015), Demo Track, Adelaide, Australia, 2015.
 71. GRIFFO, C., ALMEIDA, J.P., GUIZZARDI, G., A Systematic Mapping of the Literature on Legal Core Ontologies, 7th Brazilian Symposium on Ontology Research (ONTOBRAS 2015), São Paulo, 2015.
 72. Jr. GOMES, R.C., GUIZZARDI, R.S.S., FRANCH, X., GUIZZARDI, G., WIERINGA, R., An Empirical Study to validate the Use of Ontological Guidelines in the Creation of i* Models., 7th Brazilian Symposium on Ontology Research (ONTOBRAS 2015), São Paulo, 2015.
 73. LIVIERI, B., GUARINO, N., ZAPPATORE, M., BOCHICCHIO, M., LONGO, A., NARDI, J., QUIRINO, G., BARCELOS, M., FALBO, R., Ontology-based Modeling of Cloud Services: Challenges and Perspectives, 8th IFIP WG 8.1 working conference on the Practice of Enterprise Modelling (PoEM 2015), Valencia, 2015.
 74. GUIZZARDI, G., Ontological Patterns, Anti-Patterns and Pattern Languages for Next-Generation Conceptual Modeling, *invited companion paper to the Keynote Speech* delivered at the 33rd International Conference on Conceptual Modeling (ER 2014), Atlanta, USA (**KEYNOTE SPEECH PAPER**).

75. GUIZZARDI, G., SALLES, T.P., Detection, Simulation and Elimination of Semantic Anti-patterns in Ontology-Driven Conceptual Models, 33rd International Conference on Conceptual Modeling (ER 2014), Atlanta, USA.
76. WANG, X., GUARINO, N., GUIZZARDI, G., MYLOPOULOS, J., Software as a Social Artifact: a Management and Evolution Perspective, 33rd International Conference on Conceptual Modeling (ER 2014), Atlanta, USA.
77. WANG, X., GUARINO, N., GUIZZARDI, G., MYLOPOULOS, J., Towards an Ontology of Computer Software: a Requirements Engineering Perspective, 8th International Conference on Formal Ontology in Information Systems (FOIS 2014), Rio de Janeiro, Brazil. **(DISTINGUISHED PAPER AWARD)**
78. RUY, F., FALBO, R., BARCELLOS, M. P., GUIZZARDI, G., An Ontological Analysis of the ISO/IEC 24744 Metamodel, 8th International Conference on Formal Ontology in Information Systems (FOIS 2014), Rio de Janeiro, Brazil.
79. GUIZZARDI, R., LI, F-L, BORGIDA, A., GUIZZARDI, G., HORKOFF, J., MYLOPOULOS, J., An Ontological Interpretation of Non-Functional Requirements, 8th International Conference on Formal Ontology in Information Systems (FOIS 2014), Rio de Janeiro, Brazil.
80. GUIZZARDI, G., ZAMBORLINI, V., Using a Trope-Based Foundational Ontology for Bridging different areas of concern in Ontology-Driven Conceptual Modeling, Journal of Science of Computer Programming, Elsevier, 2014, DOI: 10.1016/j.scico.2014.02.022.
81. LI, F-L, HORKOFF, J., BORGIDA, A., GUIZZARDI, R., GUIZZARDI, G., MYLOPOULOS, J., LIU, L., Non-functional Requirements as Qualities, with a Spice of Ontology, 22nd IEEE Requirements Engineering Conference (RE 2014), Karlskrona, Sweden, 2014.
82. CARVALHO, V.A., ALMEIDA, J. P. A., GUIZZARDI, G., Using Reference Domain Ontologies to Define the Real-World Semantics of Domain-Specific Languages, 26th International Conference on Advance Information Systems Engineering (CAISE 2014), Thessaloniki, Greece, 2014.
83. FALBO, R., RUY, F., GUIZZARDI, G., BARCELLOS, M.P., ALMEIDA, J.P.A., Towards an Enterprise Ontology Pattern Language, 29th ACM Symposium on Applied Computing (ACM SAC 2014), Gyeongju, Korea, 2014.
84. GUERSON, J., ALMEIDA, J.P.A., GUIZZARDI, G., Support for Domain Constraints in Ontologically Well-Founded Conceptual Models, 19th International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2014), Thessaloniki, Greece, 2014.
85. TEIXEIRA, M.G.S., FALBO, R., GUIZZARDI, G., Analyzing the Behavior of Modelers in Interpreting Relationships in Conceptual Models: An Empirical Study, 3rd International Workshop on Ontologies and Conceptual Modeling (Onto.Com 2014)/6th International Workshop on Ontology-Driven Information Systems (ODISE 2014), together with the 8th International Conference on Formal Ontology in Information Systems (FOIS 2014), Rio de Janeiro, Brazil.
86. WANG, X., GUARINO, N., GUIZZARDI, G., MYLOPOULOS, J., Software as an Information Artifact, Workshop on Information Artifact Ontologies, together with the 8th International Conference on Formal Ontology in Information Systems (FOIS 2014), Rio de Janeiro, Brazil.

87. GUIZZARDI, G.: Cross-world Identity in Conceptual Spaces, Dagstuhl Reports 14142: Spatial reference in the Semantic Web and in Robotics, 2014.
88. GUIZZARDI, G.: The Inevitable Ontological Commitment or: How I Learned to Stop Worrying and Love Ontology, 7th International i* Workshop (i*Star 2014), satellite event of the 26th International Conference on Advanced Information Systems Engineering (CAiSE 2014), Thessaloniki, Greece. (**KEYNOTE SPEECH EXTENDED ABSTRACT**).
89. Guizzardi, G., Pastor, O., Wand, Y., de Cesare, S., Gailly, F., Lycett, M., Partridge, C., Proceedings of the 1st Joint Workshop ONTO.COM / ODISE on Ontologies in Conceptual Modeling and Information Systems Engineering co-located with 8th International Conference on Formal Ontology in Information Systems, ONTO.COM/ODISE@FOIS 2014, Rio de Janeiro, Brazil, September 21, 2014. CEUR Workshop Proceedings 1301, CEUR-WS.org 2014
90. SANTOS JUNIOR, P. S.; ALMEIDA, J.P.A. ; GUIZZARDI, G. An Ontology-Based Analysis and Semantics for Organizational Structure Modeling in the ARIS Method. Information Systems (Oxford), 2013.
91. GUIZZARDI, G.: Ontology-Based Evaluation and Design of Visual Conceptual Modeling Languages, Research Directions in Domain Engineering, Iris Reinhartz-Berger, Arnon Sturm, Tony Clark, Jorn Bettin, Sholom Cohen (Editors), Springer-Verlag, 2013.
92. Almeida, J.P.A., Guizzardi, G.: An Ontological Analysis of the Notion of Community in the RM-ODP Enterprise Language, Standards & Interfaces (2013), doi: 10.1016/j.csi.2012.01.007.
93. Guizzardi, G., Wagner, G., Falbo, R.A., Guizzardi, R.S.S., Almeida, J.P.A., Towards Ontological Foundations for the Conceptual Modeling of Events, 32nd International Conference on Conceptual Modeling (ER 2013), Hong Kong, 2013.
94. Falbo, F., Barcellos, M.P., Nardi, J.C., Guizzardi, G., Organizing Ontology Design Patterns as Ontology Pattern Languages, 10th Extended Semantic Web Conference (ESWC 2013), Montpellier, France.
95. ALBUQUERQUE, A.; Guizzardi, G., An Ontological Foundation for Conceptual Modeling Datatypes based on Semantic Reference Spaces. In: 7th IEEE International Conference on Research Challenges in Information Science (RCIS 2013), 2013, Paris.
96. Nardi, J., Falbo, R., Almeida, J.P., Guizzardi, G., Pires, L.F., van Sinderen, M., Guarino, N., Towards a Commitment-based Reference Ontology for Services, IEEE 17th International Conference on Enterprise Computing (EDOC 2013), Vancouver, 2013 (**BEST PAPER AWARD**).
97. Azevedo, C., Iacob, M.E., Almeida, J.P., Pires, L.F., Guizzardi, G., An Ontology-Based Well-Founded Proposal for Modeling Resources and Capabilities in ArchiMate, IEEE 17th International Conference on Enterprise Computing (EDOC 2013), Vancouver, 2013.
98. Guizzardi, G., Wagner, G., Disposition and Causal Laws as the Ontological Foundation of Transition Rules in Simulation Models, Proceedings of the 2013 Winter Simulation Conference, Washington DC, USA, 2013.
99. Zamborlini, V., Guizzardi, G., An Ontologically-Founded Reification Approach for Representing Temporally Changing Information in OWL, 11th International

Symposium on Logical Formalizations of Commonsense Reasoning (COMMONSENSE 2013), Crete.

100. Teixeira, M.G.S., Falbo, R.A., Guizzardi, G., Can Ontologies Systematically Help in the Design of Domain-Specific Visual Languages?, 12th International Conference on Ontologies, Databases and Application of Semantics (ODBASE 2013), Graz, 2013.
101. Falbo, R., Guizzardi, G., Gangemi, A., Presutti, V., Ontology Patterns: Clarifying Concepts and Terminology, 4th International Workshop on Ontologies and Semantic Patterns (WOP 2013), together with the 12th International Semantic Web Conference (ISWC 2013), Sydney, Australia, 2013.
102. Guizzardi, R.S.S., Franch, X., Guizzardi, G., Wieringa, R., Ontological Distinctions between Means-End and Contribution Links in the i^* Framework, 32nd International Conference on Conceptual Modeling (ER 2013), Hong Kong, 2013.
103. Guizzardi, R.S.S., Franch, X., Guizzardi, G., Wieringa, R., Using a Foundational Ontology to Investigate the Semantics Behind the Concepts of the i^* Language, Sixth International i^* Workshop (iStar 2013), Valencia, Espanha, 2013.
104. Martinez, A.M., Pastor, O., Guizzardi, G., Applying the Principles of an Ontology-based approach to a Conceptual Schema of Human Genome, 32nd International Conference on Conceptual Modeling (ER 2013), Hong Kong, 2013.
105. Carvalho, V.A., Nardi, J.C., Teixeira, M.G.S., Guizzardi, G., Guizzardi, G.: Towards a Semantic Alignment of the ArchiMate Motivation Extension and the Goal-Question-Metric Approach. Proceedings of the 6th Seminar on Ontology Research in Brazil (ONTOBRAS 2013), Belo Horizonte, Brazil, September 23, p. 59-70, 2013.
106. Donnelly, M., Guizzardi, G. (Editors), *Formal Ontology in Information Systems*, Proceedings of the 7th International Conference on Formal Ontologies in Information Systems (FOIS 2012), Graz, Austria.
107. Guizzardi, G., Wagner, G.: Conceptual Simulation Modeling with OntoUML, Proceedings of the 2012 Winter Simulation Conference, Berlin, Germany, 2012.
108. Guizzardi, G., *Ontological Meta-Properties of Derived Object Types*, 24th International Conference on Advanced Information System Engineering (CAiSE'12), Gdansk, Poland.
109. Guizzardi, G., Zamborlini, V.: A Common Foundational Theory for Bridging two levels in Ontology-Driven Conceptual Modeling, 5th International Conference of Software Language Engineering (SLE 2012), Dresden, Germany, 2012 **(INVITED SPEECH PAPER)**.
110. Guizzardi, R.S.S., Franch, X., Guizzardi, G.: Applying a Foundational Ontology to Analyze the i^* Framework, 6th International Conference on Research Challenges in Information Systems (RCIS 2012), Valencia, Spain, 2012.
111. Sales, T.P., Barcelos, P.P.F., Guizzardi, G.: Identification of Semantic Anti-Patterns in Ontology-Driven Conceptual Modeling via Visual Simulation, 4th International Workshop on Ontology-Driven Information Systems (ODISE 2012), Graz, Austria, 2012.

112. Guizzardi, G.: Structure Transfer and Modeling Analogies: The Role of Patterns in Ontology-Driven Conceptual Modeling, Dagstuhl Reports 12221: Cognitive Approaches to the Semantic Web, 2012.
113. Guizzardi, G.: Ontological Foundations for Conceptual Modeling with Applications, Tutorial presented at 24th International Conference on Advanced Information Systems Engineering (CAiSE'12), Gdansk, Poland, 2012.
114. Baioco, G., Garcia, A.S., Guizzardi, G., Towards Semantic Interoperability in Information Technology, Automation, ISBN: 978-953-51-0685-2, 2012.
115. Guizzardi, G.; Wagner, G., Towards a Logic of the Ontological Dodecagon. From Philosophy to Computational Logic: Festschrift in honour of David Pearce's first 60 years, Special Session at the 13th European Conference on Logics in Artificial Intelligence (IELIA'12), Pedro Cabalar, Luis Farinas and Agustin Valverde (Editors), Toulouse, 2012.
116. GONÇALVES, B.N.; GUIZZARDI, G.; PEREIRA FILHO, J.G., Using an ECG reference ontology for semantic interoperability of ECG data, Journal of Biomedical Informatics, Special Issue on Ontologies for Clinical and Translational Research, Editors: Barry Smith, Werner Ceusters and Richard H. Scheuermann, Elsevier, 2011.
117. GUIZZARDI, G., Ontological Foundations for Conceptual Part-Whole Relations: The Case of Collectives and their Parts, 23rd International Conference on Advanced Information System Engineering (CAiSE'11), London, UK.
118. COSTAL, D., GOMEZ, C., GUIZZARDI, G., Formal Semantics and Ontological Analysis for Understanding Subsetting, Specialization and Redefinition of Associations in UML, 30th International Conference on Conceptual Modeling (ER 2011), Brussels, Belgium, 2011.
119. AZEVEDO, C.; ALMEIDA, J.P.A., VAN SINDEREN, M.J., QUARTEL, D., GUIZZARDI, G., An Ontology-Based Semantics for the Motivation Extension to ArchiMate, 15th IEEE International Conference on Enterprise Computing (EDOC 2011), Helsinki, Finland (**BEST PAPER AWARD**).
120. GUIZZARDI, G., WAGNER, G. Towards and Ontological Foundation of Agent-Based Simulation, 17th International Winter Simulation Conference (WSC 2011), Phoenix, USA, 2011.
121. Bringunte, A.C.; FALBO, R. A.; GUIZZARDI, G. Using a Foundational Ontology for Reengineering a Software Process Ontology. Journal of Information and Data Management, 2011. (**DISTINGUISHED PAPER AWARD**).
122. Barbosa, P.; GUIZZARDI, R. S. S.; GUIZZARDI, G. Using Goal Modeling to Capture Competency Questions in Ontology-based Systems. Journal of Information and Data Management, 2011.
123. CARDOSO, E.C., ALMEIDA, J.P.A., GUIZZARDI, R.S.S., GUIZZARDI, G., A Method for Eliciting Goals for Business Process Models based on Non-Functional Requirements Catalogs, International Journal of Information Systems Modeling and Design (IJISMD), Information Resources Management Association (IRMA), Editor-in-Chief: Remigijus Gustas, IGI Publishing, Hershey-New York, USA, 2011.

124. BARCELOS, P.P.F.; GUIZZARDI, G.; GARCIA, A.S., MONTEIRO, M.E.,
Ontological Evaluation of the ITU-T Recommendation G.805, 18th International
Conference on Telecommunications (ICT 2011), IEEE Press, Cyprus
125. JARAMILLO, C.M.Z.; PASTOR, O.; GUIZZARDI, G.; GUIZZARDI, R.S.S.,
Concept Categorization in Pre-Conceptual Schemas, 14th Iberoamerican
Conference on Software Engineering (CIBSE 2011), Rio de Janeiro, Brazil.
126. GUIZZARDI, G., WAGNER, G., Can BPMN be used for Simulation Models?,
7th International Workshop on Enterprise & Organizational Modeling and
Simulation (EOMAS 2011), together with the 23rd International Conference on
Advanced Information System Engineering (CAiSE'11), London, UK.
127. CASTRO, L.; BAIÃO, F.; GUIZZARDI, G., A Semantic Oriented Method for
Conceptual Data Modeling in OntoUML Based on Linguistic Concepts, 30th
International Conference on Conceptual Modeling (ER 2011), Brussels, Belgium.
128. GUIZZARDI, G.; GRAÇAS, A.P., GUIZZARDI, R.S.S., Design Patterns and
Inductive Modeling Rules to Support the Construction of Ontologically Well-
Founded Conceptual Models in OntoUML, 3rd International Workshop on
Ontology-Driven Information Systems (ODISE 2011), together with the 23rd
International Conference on Advanced Information System Engineering
(CAiSE'11), London, UK.
129. FRANCH, X.; GUIZZARDI, R. S. S. ; GUIZZARDI, G. ; LOPEZ, L.
Ontological Analysis of Means-End Links. In: 5th International i*Star Workshop,
2011, Trento. Proceedings of the 19th International Conference on Requirements
Engineering (RE 2011) Workshops, 2011.
130. MARINS, A.F., FALBO, R.A; GUIZZARDI, G., ALMEIDA, J.P.A., Using a
Foundational Ontology to Address Ambiguity in Business Process Modeling (in
portuguese: Uso de uma Ontologia de Fundamentação para Dirimir Ambiguidades
na Modelagem de Processos de Negócio), 7th Brazilian Symposium on
Information Systems (SBSI 2011), Salvador, Brazil.
131. CORDEIRO, K. ; Faria, F. ; Pereira, B.O. ; Freitas, A. ; Freitas, J.V.B.B ;
Bringuente, A.C. ; Arantes, L.O. ; Calhau, R. ; ZAMBORLINI, V. ; CAMPOS, M.
L. M. ; GUIZZARDI, G. . An approach for managing and semantically enriching
the publication of Linked Open Governmental Data. Workshop on Computer
Science Applications in E-Government (WCGE 2011), 2011, Florianópolis.
Together with the 25th Brazilian Symposium on Databases (SBBD), 2011.
132. GUIZZARDI, G; ALMEIDA, J.P.A., GUIZZARDI, R.S.S., BARCELLOS,
M.P., FALBO, R., Foundational Ontologies, Conceptual Modeling and Semantic
Interoperability (Ontologias de Fundamentação, Modelagem Conceitual e
Interoperabilidade Semântica – in portuguese) Proceedings of the Iberoamerican
Meeting on Ontological Research, Gramado, Brazil, together with the 6th
Iberoamerican Congress on Telematics and Applications (CITA 2011).
133. OPHDAL, A., GUIZZARDI, G., GAZEVIC, D., 6th International workshop
on Vocabularies, Ontologies and Rules for The Enterprise (VORTE), together with
the Proceedings of the 15th International Enterprise Computing Conference
(EDOC 2011).
134. GUIZZARDI, G., PASTOR, O., WAND, Y. International Workshop on
Ontologies and Conceptual Modeling (Onto.Com 2011), Lecture Notes in

- Computer Science (LNCS), together with the proceedings of the 30th International Conference on Conceptual Modeling (ER 2011), Brussels.
135. VIEIRA, R.; GUIZZARDI, G., FIORINI, S. Joint 4th Brazilian Seminar on Ontological Research (ONTOBRAS)/6th International workshop on Metamodels, Ontologies, Semantic Technologies (MOST 2011). CEUR Conference Proceedings, 2011.
 136. GUIZZARDI, G; BAIÃO, F.A., OLIVEIRA DE, JOSÉ PALAZZO (Editors), Proceedings of the Iberoamerican Meeting on Ontological Research, Gramado, Brazil, together with the 6th Iberoamerican Congress on Telematics and Applications (CITA 2011).
 137. GUIZZARDI, G. On the Representation of Quantities and their Parts in Conceptual Modeling, 6th International Conference on Formal Ontologies in Information Systems (FOIS 2010), Toronto, 2010.
 138. GUIZZARDI, G., Theoretical Foundations and Engineering Tools for Building Ontologies as Reference Conceptual Models, Semantic Web Journal, Editors-in-Chief: Pascal Hitzler and Krzysztof Janowicz, IOS Press, Amsterdam, 2010.
 139. BENEVIDES, A.B.; GUIZZARDI, G.; BRAGA, B.F.B.; ALMEIDA, J.P.A., Validating modal aspects of OntoUML conceptual models using automatically generated visual world structures, Journal of Universal Computer Science, Special Issue on Evolving Theories of Conceptual Modeling, Editors: Klaus-Dieter Schewe and Markus Kirchberg, 2010.
 140. GUIZZARDI, G.; LOPES, M.; BAIÃO, F.; FALBO, R. On the importance of truly ontological representation languages, International Journal of Information Systems Modeling and Design (IJISMD), Information Resources Management Association (IRMA), Editor-in-Chief: Remigijus Gustas, IGI Publishing, Hershey-New York, USA, Volume 1, Issue 2, April-June 2010, ISSN: 1947-8186.
 141. BRAGA, B., ALMEIDA, J.P.A., GUIZZARDI, G.; BENEVIDES, A.B. Transforming OntoUML into Alloy: Towards Conceptual Model Validation using a Lightweight Formal Method, Innovations in System and Software Engineering (ISSE), Springer-Verlag, 2010.
 142. GUIZZARDI, R. S. S., GUIZZARDI, G. Ontology-Based Transformation Framework from Tropos to AORML In Social Modeling for Requirements Engineering, P. Giorgini, N. Maiden, J. Mylopoulos, E. Yu (eds.), Cooperative Information Systems Series, MIT Press, Boston, 2010.
 143. GUIZZARDI, G., WAGNER, G. Towards and Ontological Foundation of Discrete Event Simulation, 16th International Winter Simulation Conference, Baltimore, USA, 2010.
 144. GUIZZARDI, G., Representation of Collectives and their Members in UML Conceptual Models: An Ontological Analysis, 6th International Workshop on Foundations and Practice of UML (FP-UML), together with 29th International Conference on Conceptual Modeling (ER 2010), Vancouver, Canada, 2010.
 145. GUIZZARDI, G., Wagner, G. Using the Unified Foundational Ontology (UFO) as a Foundation for General Conceptual Modeling Language, In: Theory and Application of Ontologies ed.Berlin: Springer-Verlag, 2010.

146. SANTOS, Jr., P.; ALMEIDA, J.P.A.; GUIZZARDI, G., An Ontology-Based Semantic Foundation for ARIS EPCs, 25th ACM Symposium On Applied Computing (ACM SAC 2010), Sierre, Switerland, 2010.
147. GUIZZARDI, R. S. S., GUIZZARDI, G. Applying the UFO Ontology to Design an Agent-oriented Engineering Language, 14th East-European Conference on Advances in Databases and Information Systems (ADBIS 2010), Novi Sad, Serbia, 2010.
148. CARDOSO, E.C., SANTOS JUNIOR, P.S., ALMEIDA, J.P.A., GUIZZARDI, R.S.S., GUIZZARDI, G. Semantic Integration of Goal and Business Process Modeling, IFIP International Conference on Research and Practical Issues of Enterprise Information Systems (CONFENIS), Rio Grande do Norte, Brazil, 2010.
149. CASTRO, L., BAIÃO, F., GUIZZARDI, G., A Linguistic Approach to Conceptual Modeling with Semantic Types and OntoUML, IEEE 5th Joint International Workshop on Vocabularies, Ontologies and Rules for The Enterprise (VORTE) – Metamodels, Ontologies and Semantic Technologies (MOST), together with 15th International Enterprise Computing Conference (EDOC 2010), Vitória, Brazil, 2010.
150. SANTOS, Jr., P.; ALMEIDA, J.P.A.; GUIZZARDI, G., An Ontology-Based Semantic Foundation for Organizational Structure Modeling in the ARIS Method, IEEE 5th Joint International Workshop on Vocabularies, Ontologies and Rules for The Enterprise (VORTE) – Metamodels, Ontologies and Semantic Technologies (MOST), together with 15th International Enterprise Computing Conference (EDOC 2010), Vitória, Brazil, 2010.
151. ZAMBORLINI, V.; GUIZZARDI, G., On the representation of temporally changing information in OWL, IEEE 5th Joint International Workshop on Vocabularies, Ontologies and Rules for The Enterprise (VORTE) – Metamodels, Ontologies and Semantic Technologies (MOST), together with 15th International Enterprise Computing Conference (EDOC 2010), Vitória, Brazil, 2010.
152. ALMEIDA, J.P.A.; CARDOSO, E., GUIZZARDI, G., On the Goal Domain in the RM-ODP Enterprise Language: An Initial Appraisal based on a Foundational Ontology, IEEE 6th International Workshop on ODP for Enterprise Computing (WODPEC 2010), together with 15th International Enterprise Computing Conference (EDOC 2010), Vitória, Brazil, 2010.
153. GUIZZARDI, G.; WAGNER, G. Towards an Ontological Foundation of Discrete Event Simulation, International Workshop on Epistemological Perspectives on Simulations (EPOS 2010), Hamburg, Germany, 2010.
154. GUIZZARDI, R.S.S., GUIZZARDI, G., ALMEIDA, J.P.A., CARDOSO, E.C., Bridging the Gap between Goals, Agents and Business Processes, 4th international i* Workshop, together with the 22nd International Conference on Advanced Information Systems Engineering (CAISE'10), Hammamet, Tunisia, 2010.
155. GAZEVIC, D.; GUIZZARDI, G.; TAVETER, K. ; Wagner, G. (Editors), Vocabularies, Ontologies and Rules for The Enterprise and Business Process Modeling and Management. Information Systems (Oxford), v. 35, p. 375-378, 2010.

156. Almeida, J.P.A., Guizzardi, G., Kutvonen, L. (Editors), Proceedings of the 14th IEEE International Conference on Enterprise Computing (EDOC 2010), Vitoria, Brazil, ISBN 978-0-7695-4163-1.
157. Almeida, J.P.A., Guizzardi, G., Kutvonen, L. (Editors), Proceedings of the 14th IEEE International Conference on Enterprise Computing Workshops (EDOCW 2010), Vitoria, Brazil, ISBN 978-0-7695-4164-8.
158. GRAÇAS, A.P.; GUIZZARDI, G., Design Patterns and Model Construction Rules for Building Well-Founded Domain Ontologies in OntoUML (in Portuguese: Padrões de Modelagem e Regras de Construção de Modelos para a criação de Ontologias de Domínio Bem-Fundamentadas em OntoUML), III Brazilian Seminar on Ontology Research (ONTOBRAS2010) ,Florianópolis, Brazil.
159. CASTRO, L.; BAIÃO, F.; GUIZZARDI, G., Conceptual Modeling: the Linguistic Approach, Demos and Poster Session at the 28th International Conference on Conceptual Modeling (ER 2009), Gramado, Brazil. Abstract published at the Journal of Theoretical and Applied Information (RITA), 2010.
160. GUIZZARDI, G. The Problem of Transitivity of Part-Whole Relations in Conceptual Modeling Revisited, 21st International Conference on Advanced Information Systems Engineering (CAISE'09), Amsterdam, The Netherlands, 2009.
161. ALMEIDA, J. P. A. ; GUIZZARDI, G. ; SANTOS JR., P. S. Applying and Extending a Semantic Foundation for Role-Related Concepts in Enterprise Modelling. International Journal of Enterprise Information Systems (IJEIS), IGI-Global, 2009.
162. GUIZZARDI, G.; LOPES, M.; BAIÃO, F.; FALBO, R. On the importance of Truly Ontological Distinctions for Ontology Representation Languages: An Industrial Case Study in the Domain of Oil and Gas, 14th International Conference on Exploring Modeling Methods in Systems Analysis and Design (EMMSAD'09), Amsterdam, The Netherlands, 2009. Lecture Notes in Business Information Processing (LNBIP), Springer-Verlag.
163. GONCALVES, B. N.; ZAMBORLINI, V.; GUIZZARDI, G. An Ontological Analysis of the Electrocardiogram. ELECTRONIC JOURNAL OF COMMUNICATION, INFORMATION AND INNOVATION IN HEALTH, 2009.
164. BENEVIDES, A.B.; GUIZZARDI, G. A Model-Based Tool for Conceptual Modeling and Domain Ontology Engineering in OntoUML, 11th International Conference on Enterprise Information Systems (ICEIS), Milan, 2009. Lecture Notes in Business Information Processing, Springer-Verlag.
165. Benevides, A.B.; Guizzardi, G.; Braga, B.F.B.; Almeida, J.P.A., Assessing Modal Aspects of OntoUML Conceptual Models in Alloy, International Workshop on Evolving Theories of Conceptual Modeling (ETheCoM 2009), at the 28th International Conference on Conceptual Modeling (ER 2009), Gramado, Brazil.
166. GONÇALVES, B.N., ZAMBORLINI, V., GUIZZARDI, G., PEREIRA FILHO, J.G., An Ontology-based Application in Heart Electrophysiology: Representation, Reasoning and Visualization on the Web 24th Annual ACM Symposium on Applied Computing, Honolulu, Hawaii, USA, 2009.

167. CARDOSO, E., ALMEIDA, J.A., GUIZZARDI, G. Eliciting Goals for Business Process Models with Non-Functional Requirements Catalogs, International Workshop on Business Process Modeling, Development and Support (BPMDS), together with the 21st International Conference on Advanced Information Systems Engineering (CAISE'09), Amsterdam, The Netherlands, 2009. Lecture Notes in Business Information Processing (LNBIP), Springer-Verlag.
168. LOPES, M.; GUIZZARDI, G.; BAIÃO, F.; FALBO, R. Reverse Engineering a Domain Ontology to Uncover Fundamental Ontological Distinctions: An Industrial Case Study in the Domain of Oil and Gas Exploration & Production, 11th International Conference on Enterprise Information Systems (ICEIS), Milan, 2009. Lecture Notes in Business Information Processing, Springer-Verlag.
169. KALIBATIENE, D.; VASILECAS, O.; GUIZZARDI, G. Transforming Ontology Axioms to Information Processing Rules - An MDA Based Approach, 3rd International Workshop on Ontology, Conceptualization and Epistemology for Information Systems, Software Engineering and Service Science (ONTOSE 2009), together with the 21st International Conference on Advanced Information Systems Engineering (CAISE'09), Amsterdam, The Netherlands, 2009.
170. VASILECAS, O.; KALIBATIENE, D.; GUIZZARDI, G. Towards a Formal Method for the Transformation of Ontology Axioms to Application Domain Rules, Information Technology and Control, ISSN 1392-124X, Vol. 38, No 4, 2009.
171. SANTOS, L.O.B.S.; GUIZZARDI, G.; SILVA, E.M.G.; PIRES, L.F.; van SINDEREN, M. From User Goals to Service Discovery and Composition, 3rd International Workshop on Requirements, Intentions and Goals in Conceptual Modeling (RIGiM'09), at the 28th International Conference on Conceptual Modeling (ER 2009), Gramado, Brazil, 2009.
172. SANTOS, L.O.B.S.; GUIZZARDI, G.; SILVA, E.M.G.; PIRES, L.F.; van SINDEREN, M. GSO: Designing a Well-Founded Service Ontology to Support Dynamic Service Discovery and Composition, Workshop on Dynamic and Declarative Business Processes (DDPL), 13th International Conference on Enterprise Computing (EDOC 2009), Auckland, New Zealand, 2009.
173. CARDOSO, E.; ALMEIDA, J.P.A.; GUIZZARDI, G. Requirements Engineering Based on Business Process Models: A Case Study, 13th International Conf. on Enterprise Computing (EDOC 2009), Auckland, New Zealand, 2009.
174. SANTOS, Jr., P.; ALMEIDA, J.P.A.; GUIZZARDI, G., An Interpretation of the EPC (Event-Process Chain) Elements based on a Foundational Ontology (Uma interpretação para os elementos de EPCs com base em uma ontologia de fundamentação – in portuguese), 3rd Workshop on Business Process Modeling Management (WBPM), 15th Brazilian Symposium on Multimedia Systems and the Web (WebMedia), Fortaleza, Brazil, 2009.
175. GUIZZARDI, G.; Wagner, G. (Editors), Vocabularies, Ontologies and Rules for The Enterprise. International Journal on Business Process Integration and Management, v. 4, p. 223- 224, 2009.
176. DOERR, M.; FREITAS, F.; GUIZZARDI, G; HAN, H. (Editors), MOST-ONISW: Joint International workshop on Metamodels, Ontologies, Semantic Technologies, and Information Systems for the Semantic Web, together with the

- 28th International Conference on Conceptual Modeling (ER 2009), Gramado, Brazil. Lecture Notes in Computer Science (LNCS), Springer-Verlag, 2009.
177. Braga, B.F.B.; Almeida, J.P.A.; Benevides, A.B.; Guizzardi, G.; Transforming OntoUML into Alloy: Toward Conceptual Modeling Validation Using a Lightweight Formal Method, 2nd International UML & Formal Methods Workshop (UML & FM 2009), at the International Conference on Formal Engineering Methods (ICFEM 09), Rio de Janeiro, Brazil. (forthcoming).
 178. GUIZZARDI, G., HALPIN, T. Ontological Foundations for Conceptual Modeling. *Applied Ontology*, v.3, p.91 - 110, 2008.
 179. GUIZZARDI, G., Wagner, G. What's in a Relationship?: An Ontological Analysis, 27th International Conference on Conceptual Modeling (ER'2008), Barcelona, Spain, Lecture Notes in Computer Science, v.5231, p.83 - 97, 2008.
 180. Almeida, J.P.A., GUIZZARDI, G. A Semantic Foundation for Role-Related Concepts in Enterprise Modelling In: IEEE International EDOC Conference, 2008, Munique. Proceedings of the 12th IEEE International EDOC Conference. IEEE Computer Society Press, 2008.
 181. SOUZA, V. E. S., FALBO, R. A., GUIZZARDI, G. Designing Web Information Systems for a Framework-Based Construction. In: *Innovations in Information Systems Modeling: Methods and Best Practices*, Edited By: Terry Halpin, John Krogstie, and Erik Proper, ISBN: 978-1-60566-278-7, IGI, 2008.
 182. GONCALVES, B. N., GUIZZARDI, G., PEREIRA FILHO, J. G. A Service Architecture for Sensor Data Provisioning for Context-Aware Mobile Applications In: 23rd ACM Symposium on Applied Computing (SAC), 2008, Fortaleza. Proceedings of the 23rd ACM Symposium on Applied Computing (SAC). ACM Press.
 183. GONCALVES, B. N., PEREIRA FILHO, J. G., ANDREAIO, R. V., GUIZZARDI, G. ECG provisioning system for telehomecare monitoring, *Computer Applications in Health Care* In: 23rd ACM Symposium on Applied Computing (SAC), 2008, Fortaleza. Proceedings of the 23rd ACM Symposium on Applied Computing (SAC). ACM Press.
 184. GUIZZARDI, G., FALBO, R. A., GUIZZARDI, R. S. S. The Importance of Foundational Ontologies for Domain Engineering: The case of the Software Process Domain (A importância de Ontologias de Fundamentação para a Engenharia de Ontologias de Domínio: o caso do domínio de Processos de Software – in portuguese). *IEEE Transactions Latin America*, 2008.
 185. ZAMBORLINI, V., GONCALVES, B. N., GUIZZARDI, G. Codification and Application of a Well-Founded Heart-ECG Ontology, In: 3rd Workshop on Ontologies and Metamodels in Software and Data Engineering (WOMSDE 2008), 2008, Campinas. 23rd Brazilian Symposium on Databases (SBBD)/22nd Brazilian Symposium on Software Engineering (SBES).
 186. GUIZZARDI, G., FALBO, R. A., GUIZZARDI, R. S. S. Grounding Software Domain Ontologies in the Unified Foundational Ontology (UFO): The case of the ODE Software Process Ontology, In: 11th Iberoamerican Conference on Software Engineering (CibSE'2008), 2008, Recife. **(DISTINGUISHED PAPER AWARD – THIS IS THE MOST CITED PAPER IN THE HISTORY OF THE CONFERENCE).**

187. GUIZZARDI, G. Ontology-Driven Conceptual Modeling with Application In: IV Simpósio Brasileiro de Sistemas de Informação (SBSI'08), 2008, Rio de Janeiro. IV Brazilian Symposium on Information Systems (SBSI'08).
188. GONCALVES, B. N., ZAMBORLINI, V., GUIZZARDI, G., PEREIRA FILHO, J. G. Using a Lightweight Ontology of Heart Electrophysiology in an Interactive Web Application In: XIV Brazilian Symposium on Multimedia Systems and Web (WEBMIDIA), 2008, Vila Velha (ES).
189. CARDOSO, E. C., Almeida, J.P.A., GUIZZARDI, G. A Requirements Engineering Experiment based on Process Models (Uma Experiência com Engenharia de Requisitos baseada em Modelos de Processos – in portuguese) In: In: XI Iberoamerican Conference on Software Engineering (CIBSE'2008), 2008, Recife.
190. GUIZZARDI, R. S. S., GUIZZARDI, G., Almeida, J.P.A., CARDOSO, E. C., Ontological Foundations for Agent-Oriented Organizational Modeling In: 3rd International iStar Workshop (iStar'08), 2008, Recife. Proceedings of the 3rd International iStar Workshop (iStar'08). CEUR, 2008.
191. Guizzardi, G. Modal Aspects of Object Types and Part-Whole Relations and the de re/de dicto distinction, 19th International Conference on Advanced Information Systems Engineering (CAISE'07), Trondheim, 2007, Lecture Notes in Computer Science 4495, Springer-Verlag.
192. J.P.A. Almeida, G. Guizzardi, On the Foundation for Roles in RM-ODP: Contributions from Conceptual Modelling, 4th International Workshop on ODP for Enterprise Computing (WODPEC 2007), IEEE International EDOC Conference (EDOC 2007), Maryland, USA, IEEE Computer Society Press.
193. Nunes, B. G.; Guizzardi, G.; Filho, J.G.P., An Electrocardiogram (ECG) Domain Ontology, in Proceedings of the Second Brazilian Workshop on Ontologies and Metamodels for Software and Data Engineering (WOMSDE'07), 22nd Brazilian Symposium on Databases (SBBD)/21st Brazilian Symposium on Software Engineering (SBES), João Pessoa, Brazil, 2007.
194. Arantes, L. O.; Falbo, R. A.; Guizzardi, G., Evolving a Software Configuration Ontology, in Proceedings of the Second Brazilian Workshop on Ontologies and Metamodels for Software and Data Engineering (WOMSDE'07), 22nd Brazilian Symposium on Databases (SBBD)/21st Brazilian Symposium on Software Engineering (SBES), João Pessoa, Brazil, 2007.
195. Guizzardi, G.; Farias, C. (editors). Proceedings of the Second Brazilian Workshop on Ontologies and Metamodels for Software and Data Engineering (WOMSDE'07), João Pessoa, Brazil, 2007.
196. Costa, A.C.; Guizzardi, R.S.S.; Guizzardi, G.; Filho, J.G.P., "COReS: Context-aware, Ontology-based Recommender system for Service recommendation", Workshop on Ubiquitous Mobile Information and Collaboration Systems (UMICS'07), 19th International Conference on Advanced Information Systems Engineering (CAISE'07), Trondheim, 2007.
197. Souza, V.E.S.; Falbo, R.; Guizzardi, G., "A Language for Modeling Framework-based Web Information Systems", 3rd Intl. Conf. on Exploring Modeling Methods for Analysis and Design (EMMSAD), Trondheim, 2007.

198. Souza, V.E.S.; Lourenço, T.W.; Falbo, R.; Guizzardi, G., “S-FrameWeb: a Framework Based Design Method for Web Engineering with Semantic Web Support”, International Workshop on Web Information Systems Modeling (WISM), 19th International Conference on Advanced Information Systems Engineering (CAISE’07), Trondheim, 2007.
199. Guizzardi, G., On Ontology, ontologies, Conceptualizations, Modeling Languages, and (Meta)Models, *Frontiers in Artificial Intelligence and Applications, Databases and Information Systems IV*, Olegas Vasilecas, Johan Edler, Albertas Caplinskas (Editors), ISBN 978-1-58603-640-8, IOS Press, Amsterdam, 2007. **(INVITED PAPER)**.
200. Guizzardi, R.S.S.; Guizzardi, G.; Perini, A.; Mylopoulos, J; “Towards an Ontological Account of Agent Oriented Goals”, *Software Engineering for Multi-Agent Systems, Vol. V*, Springer-Verlag, Berlin, ISBN 978-3-540-73130-6, 2007.
201. Guarino, N.; Guizzardi, G., “In the Defense of Ontological Foundations for Conceptual Modeling”, *Scandinavian Journal of Information Systems, Vol.18, No. 1*, ISSN 0905-0167, 2006.
202. Guizzardi, G.; Farias, C. (editors). *Proceedings of the First Brazilian Workshop on Ontologies and Metamodels for Software and Data Engineering (WOMSDE’06)*, Florianopolis, Brazil, ISBN: 85-7669-086-1, 2006.
203. Spies, M.; Guizzardi, G.; Wagner, G (editors). *Proceedings of the IEEE EDOC 2nd International Workshop on Vocabularies, Ontologies and Rules for The Enterprise (VORTE’06)*, 10th IEEE EDOC (Enterprise Distributed Object Computing) Conference, Hong Kong, 2006.
204. Dockhorn, P.; Guizzardi, G.; Almeida, J.P.A.; Ferreira Pires, L.; van Sinderen, M. “Situations in Conceptual Modeling of Context”, *Proceedings of the IEEE EDOC 2nd International Workshop on Vocabularies, Ontologies and Rules for The Enterprise (VORTE’06)*, Hong Kong, 2006.
205. Guizzardi, G. “The Role of Foundational Ontology for Conceptual Modeling and Domain Ontology Representation”, *Companion Paper for the Invited **Keynote Speech***, 7th International Baltic Conference on Databases and Information Systems, Vilnius, Lithuania, 2006.
206. Guizzardi, G.; Masolo, C.; Borgo, S. “In the Defense of a Trope-Based Ontology for Conceptual Modeling: An Example with the Foundations of Attributes, Weak Entities and Datatypes”, *25th International Conference on Conceptual Modeling (ER’2006)*, Arizona, USA, 2006.
207. Dockhorn, P.; Almeida, J.P.A.; Ferreira Pires, L.; Guizzardi, G.; van Sinderen, M. “Towards Conceptual Foundations for Context-Aware Applications”, *3rd International Workshop on Modeling and Retrieval of Context*, 21st American Conference on Artificial Intelligence (AAAI), Boston, USA, 2006.
208. Guizzardi, G. “Agent Roles, Qua Individuals and The Counting Problem”, *Invited Chapter in Software Engineering of Multi-Agent Systems, vol. IV*, P. Giorgini, A.Garcia, C. Lucena, R. Choren (eds.), Springer-Verlag, 2006.
209. Guizzardi, G.; Dijkman, R.; Almeida, J.P.A.; Costa, P.D. “Visserian Metaphysics”, *Book Chapter in M. van Sinderen and L. Ferreira Pires (editors), Liber Amicorum in honor of Chris A. Vissers*, The Netherlands, 2006.

210. Guizzardi, G. *Ontological Foundations for Structural Conceptual Models*, PhD Thesis, University of Twente, The Netherlands. Published as the book "Ontological Foundations for Structural Conceptual Models", Telematica Instituut Fundamental Research Series No. 15, ISBN 90-75176-81-3.
211. Masolo, C.; Guizzardi, G.; Vieu, L.; Botazzi, E.; Ferrario, R. "Relational Roles and Qua Individuals", AAAI Fall Symposium on Roles, an Interdisciplinary Perspective, Virginia, USA, 2005.
212. Guizzardi, G.; Wagner, G. (Editors) *Proceedings of the International EDOC Workshop on Vocabularies, Ontologies and Rules for The Enterprise (VORTE'05)*, 9th IEEE EDOC (Enterprise Distributed Object Computing) Conference, Enschede, The Netherlands, 2005, ISSN 0929-0672.
213. Guizzardi, G.; Ferreira Pires, L.; van Sinderen, M. "An Ontology-Based Approach for Evaluating the Domain Appropriateness and Comprehensibility Appropriateness of Modeling Languages", *ACM/IEEE 8th International Conference on Model Driven Engineering Languages and Systems*, Montego Bay, Jamaica, 2005, Lecture Notes in Computer Science LNCS 3713, Springer-Verlag.
214. Guizzardi, G.; Ferreira Pires, L.; van Sinderen, M. "Ontology-Based Evaluation and Desing of Domain-Specific Visual Modeling Languages", *Proceedings of the 14th International Conference on Information Systems Development*, Karlstad, Sweden, 2005.
215. Guizzardi, G.; Wagner, G. "Towards Ontological Foundations for Agent Modeling Concepts using UFO", *Agent-Oriented Information Systems (AOIS)*, selected revised papers of the Sixth International Bi-Conference Workshop on Agent-Oriented Information Systems. Lecture Notes on Artificial Intelligence (LNAI) 3508, Springer-Verlag, 2005, ISBN 3-540-25911-2.
216. Guizzardi, G.; Wagner, G. "Some Applications of a Unified Foundational Ontology in Business Modeling", *Ontologies and Business Systems Analysis*, Michael Rosemann and Peter Green (Eds.), IDEA Publisher, 2005.
217. Guizzardi, G.; Wagner, G.; Guarino, N.; van Sinderen, M. "An Ontologically Well-Founded Profile for UML Conceptual Models", *16th International Conference on Advances in Information Systems Engineering (CAiSE)*, Latvia, 2004. Springer-Verlag, Berlin, Lecture Notes in Computer Science 3084, ISBN 3-540-22151-4 (**BEST PAPER AWARD**).
218. Guizzardi, G.; Wagner, G.; Herre, H. "On the Foundations of UML as an Ontology Representation Language", *14th International Conference on Knowledge Engineering and Knowledge Management (EKAW)*, Northamptonshire, UK, 2004. Springer-Verlag, Berlin, Lecture Notes in Computer Science 3257 Springer 2004, ISBN 3-540-23340-7.
219. Guizzardi, G.; Wagner, G.; van Sinderen, M. "A Formal Theory of Conceptual Modeling Universals", *Proceedings of the Workshop on Philosophy and Informatics (WSPI)*, Cologne, Germany, 2004 (ISSN 0946-008X).
220. Guizzardi, G.; Wagner, G. "On the Ontological Foundations of Agent Concepts", *Sixth International Bi-Conference Workshop on Agent-Oriented Information Systems (AOIS 2004)*, *16th International Conference on Advances in Information Systems Engineering (CAiSE)*, Latvia, 2004.

221. Guizzardi, G.; Wagner, G. "On A Unified Foundational Ontology and some Applications of it in Business Modeling", Open INTEROP Workshop on Enterprise Modelling and Ontologies for Interoperability, 16th International Conf. on Advances in Information Systems Engineering (CAiSE), Latvia, 2004.
222. Rios, D.; Costa, P.D.; Guizzardi, G.; Ferreira Pires, L.; Pereira Filho, J.G., van Sinderen, M.; "Using Ontologies for Modeling Context-Aware Service Platforms", OOPSLA 2003 Workshop on Ontologies to Complement Software Architectures, Anaheim, CA, USA, October 26-30, 2003.
223. Guizzardi, G.; Herre, H.; Wagner G.. "Towards Ontological Foundations for UML Conceptual Models", 1st International Conference on Ontologies, Databases and Application of Semantics (ODBASE'02), Irvine, USA, 2002. Springer-Verlag, Berlin, Lecture Notes in Computer Science 2519, ISBN 3-540-00106-9.
224. Guizzardi, G.; Herre, H.; Wagner G.. "On the General Ontological Foundations of Conceptual Modeling", 21st International Conference on Conceptual Modeling (ER-2002), Tampere, Finland, 2002. Springer-Verlag, Berlin, Lecture Notes in Computer Science 2503, ISBN 3-540-44277-4.
225. Guizzardi, G.; Ferreira Pires, L.; van Sinderen, M. "On the role of Domain Ontologies in the Design of Domain-Specific Visual Languages", 2nd Workshop on Domain-Specific Visual Languages, 17th ACM Conference on Object-Oriented Programming, Systems, Languages and Applications (OOPSLA 2002), Seattle, USA, 2002 (ISSN 1235-5674).
226. Guizzardi, G.; Falbo, R.A.; Pereira Filho, J.G. "Using objects and Patterns to implement domain ontologies", Journal of Brazilian Computer Society (JBACS), Special Issue on Software Engineering (ISSN 0104-6500), Vol. 8, num.1, 2002.
227. Falbo, R.A.; Guizzardi, G.; Duarte, K.C. "An Ontological Approach to Domain Engineering", XIV International Conference on Software Engineering and Knowledge Engineering (SEKE-2002), Ischia, Italy, ACM 2002.
228. Falbo, R.A.; Guizzardi, G.; Natali, A.C.; Bertollo, G.; Ruy F.; Mian P. "Towards Semantic Software Engineering Environments", XIV International Conference on Software Engineering and Knowledge Engineering (SEKE-2002), Ischia, Italy, ACM 2002.
229. Falbo, R.A.; Guizzardi, G.; Duarte, K.C.; Natali, A.C.C. "Developing Software for and with Reuse: An Ontological Approach", ACIS International Conference on Computer Science, Software Engineering, Information Technology, e-Business, and Applications (CSITeA-02), Foz do Iguacu, Brazil, 2002.
230. Guizzardi, G.; Falbo, R.A.; Pereira Filho, J.G. "Using objects and Patterns to implement domain ontologies", XV Brazilian Symposium on Software Engineering (SBES-2001), Rio de Janeiro, Brazil, 2001 (**BEST PAPER AWARD**).
231. Guizzardi, G.; Falbo, R.A.; Pereira Filho, J.G. "From Domain Ontologies to Object Oriented Frameworks", Workshop on Ontologies (ONTO-2001), Joint German-Austrian Conference on Artificial Intelligence, Vienna, Austria, 2001.
232. Almeida, J.P.A. ; GUIZZARDI, G. ; PEREIRA FILHO, J. G. . Agent-Mediators in Media on Demand Electronic Commerce. In: VII International Congress of new technologies and Computer Applications, 2000, Havana.

Proceedings of the VII International Congress of new technologies and Computer Applications, 2000.

233. GUIZZARDI, G. ; CURY, D. ; PEREIRA FILHO, J. G. . A framework proposal for hypermedia intelligent tutoring systems development on the Internet. In: 10th Brazilian Symposium on Computers on Education, 1999, Curitiba.
234. GUIZZARDI, G. ; PEREIRA FILHO, J. G. . LogicOO uma metodologia para modelagem e construção de sistemas multimídia distribuídos (LogicOO: A Methodology for Modeling and Construction of Distributed Multimedia Systems). In: Iberoamerican Workshop on Requirements Engineering (WER 1999), Buenos Aires. Anais das 28as Jornadas Argentinas de Informática e Investigación Operativa, 1999.
235. GUIZZARDI, G. ; PEREIRA FILHO, J. G. Uma metodologia baseada em Objetos para descrição lógica de sistemas de Vídeo sob Demanda (*An Object-Based Methodology for the Logical Description of Video on Demand Systems*). In: IV Brazilian Symposium on Multimedia and Hypermedia Systems, 1998, Rio de Janeiro (WEBMEDIA 1998).