

# GIANCARLO GUIZZARDI

## Relevant Links:

- Researcher unique identifier (ORCID: 0000-0002-3452-553X)
- *Google Scholar* (<https://scholar.google.com/citations?user=nfVbt8AAAAJ>)
- *DBLP* (<https://dblp.uni-trier.de/pers/hd/g/Guizzardi:Giancarlo>)
- [https://en.wikipedia.org/wiki/Giancarlo\\_Guizzardi](https://en.wikipedia.org/wiki/Giancarlo_Guizzardi)
- CSAutors: <https://www.csauthors.net/giancarlo-guizzardi/>
- *LinkedIn*: <https://www.linkedin.com/in/giancarlo-guizzardi-bb51aa75/>

## Education

- PhD in Computer Science, 2005, Architecture of Distributed Systems Group, Centre for Telematics and Information Technology, 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). The thesis was published as a book, which has received up to circa **1500 citations** and a **best paper award at the most prestigious conference on Information Systems Engineering** (CAISE’2004). It was nominated for the prestigious Christian Huygens Award of the Royal Dutch Academy of Sciences. Finally, it was also selected as the one official nomination of the University of Twente for the ACM Jim Grey Dissertation Award (for which it received a distinction).
  - **PhD Supervisor:** Chris Vissers
  - **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). This master thesis gave rise to several conference publications in international events (including one that received a **best paper award**) and one journal publication. One of these publications alone received circa **280 citations** and received a **best paper award** at the 15th Brazilian Conference on Software Engineering (SBES’2001).
  - **GPA (Grade Point Average): 9.9 (out of 10).**
  - **MSc Supervisor:** Prof. Ricardo A. Falbo

## Present Appointments

- Full Professor of Computer Science. Head of the **Conceptual and Cognitive Modeling** Research Group (CORE), Free University of Bozen-Bolzano (part-time position since June, 2021).
- Full Professor of **Software Science and Evolution** at the **Digital Society Institute**, University of Twente, The Netherlands, Member of the Managing Team of the Services and Cybersecurity Group (part-time position since October, 2020)

## Languages Skills

- **Portuguese:** Native Speaker
- **English:** Full Proficiency  
(Cambridge BULATS – C2 – 97/100; and Cambridge IELTS – 8.0)
- **Italian:** Full Proficiency  
(CELI4 - C1 - Ottimo "A" – 176/200 overall, 60/60 in the oral exam)
- **Spanish:** excellent comprehension skills; basic conversational skills
- **Dutch:** intermediate comprehension skills; basic conversational skills
- **German:** Beginner (A2 - Zweisprachigkeitsprüfung, Autonome Provinz Bozen; 8.5 overall mark in German)

## Other Academic Responsibilities

- 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).
- Course Director of the Bachelor Course in Information Management and Digital Business/Business Informatics, Faculty of Computer Science, Free University of Bozen-Bolzano, Italy (2019-2020).
- Member of the Quality & Strategy Assurance Committee (Presidio di Qualità) of the Free University of Bozen-Bolzano, Italy (2017-2020).
- Member of the PhD School in Computer Science of the Free University of Bozen-Bolzano, Italy (since 2017)
- Founder and former Head of the Ontology and Conceptual Modeling Research Group (NEMO), Computer Science Department, Federal University of Espírito Santo (UFES), Brazil (between 2006-2016).
- Dean of Graduate Studies at the Computer Science School, Computer Science Department, Federal University of Espírito Santo (UFES), Brazil (between 2014-2016).
- Coordinator of an Excellence Centre in the area of Semantic Interoperability in Government (2011-2013). The work conducted in that centre 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.

- Member of the Editorial Board of the Federal University of Espirito Santo (UFES) University Press (2012-2013).

## Invited Presentations (selection)

1. Keynote Speaker at the launching event of the IAOA (International Association for Ontology and its Applications) Seminar Series, Bolzano, 2021 (forthcoming).
2. Invited Speaker at SCIENZA NUOVA - ARTE E ARTIFICIO: Il processo creativo tra Filosofia, Fisica, Matematica e Intelligenza Artificiale, Merano, 2021.
3. Keynote Speaker at the International Workshop on Requirements Engineering for Artificial Intelligence (RE4AI), at the The 27th International Working Conference on Requirements Engineering (REFSQ), Essen, Germany, 2021.
4. Invited Speaker at the International Symposium on Cognitive Ontologies (ISCO), Virtual, 2021.
5. Invited Speaker at the OntoCommons Workshop on Top and Mid-Level Ontologies (OntoCommons), Virtual, 2021 - <https://ontocommons.eu/news-events/events/top-level-and-mid-level-ontologies-multi-disciplinary-workshop>
6. Invited Speaker at the OntoCommons Workshop on Tools for Ontology Engineering (OntoCommons), Virtual, 2021.
7. Keynote Speaker at 2nd Workshop on Conceptual Modeling, Ontologies and (Meta)data Management for Findable, Accessible, Interoperable and Reusable (FAIR) Data (Viena, 2020).
8. Invited Speaker at Inauguration event of the Dutch Center for Computational Oncology (Leiden 2020)
9. Keynote Speaker at the 8<sup>th</sup> International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2020), Malta, 2020.
10. Invited Lecturer for the Masterclass on Ontology Engineering (together with Nicola Guarino) at the 14th International Workshop on Value Modeling and Business Ontologies (VMBO), Brussels, Belgium, 2020.
11. Keynote Speaker at the 11th International and Interdisciplinary Conference on Modeling and Using Context (CONTEXT 2019), Trento, Italy, 2019.
12. Keynote Speaker at the International Workshop on Open Data and Ontologies for Cultural Heritage (ODOCH 2019), at the 31st International Conference on Advanced Information Systems Engineering (CAISE 2019), Rome.
13. Keynote Speaker at the 13th International Workshop on Value Modeling and Business Ontologies (VMBO), Stockholm, Sweden, 2019.
14. Keynote Speaker at the 12th Brazilian Symposium on Ontological Research (Ontobras 2019), Porto Alegre, Brazil, 2019.
15. 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.
16. Invited as a Keynote Speaker at the International Conference on Applied Informatics (ICAI 2018), Bogotá, Colombia, 2018 (*declined due conflicts in the agenda*).
17. Keynote Speaker at the 3<sup>rd</sup> International Joint Ontology Workshops (JOWO) – The Tyrolean Summer, Bolzano, Italy, 2017.
18. Keynote Speaker at the International Federated Conference Computer Science and Information Systems (FedCSIS 2017), Prague, Czech Republic,

- 2017<sup>1</sup>.
19. Invited Speaker at the FOUST (Foundational Stance) Workshop, Bolzano, 2017.
  20. Over the years, I have been invited to deliver Valedictory Addresses in honor of several Internally Renowned Scientists including Prof. Roel Wieringa (Requirements Engineering and Design Science, University of Twente, The Netherlands, 2019), Prof. Heinrich Herre (Logics, University of Leipzig, Germany, 2017), Director or Research Nicola Guarino (Ontologies and Conceptual Modeling, Italian National Research Council, Italy, 2019).
  21. Keynote Speaker at the 9th Brazilian Seminar on Ontological Research (ONTOBRAS 2017), Brasilia, Brazil.
  22. Keynote Speaker at the 14th International Conference on Business Process Management (BPM 2016), Rio de Janeiro, Brazil.
  23. Keynote Speaker at the NoMagic World Symposium, Dallas, Texas, 2016<sup>2</sup>.
  24. Keynote Speaker at the 15<sup>th</sup> International Conference on Perspectives in Business Informatics (BIR 2016), Prague, Czech Republic
  25. Keynote Speaker at the 6th International Enterprise Engineering Working Conference (EEWC 2016), Madeira Island, Portugal.
  26. 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*.
  27. Keynote Speaker at the 7th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K 2015), Lisbon, Portugal<sup>3</sup>.
  28. Keynote Speaker at the 33<sup>rd</sup> International Conference on Conceptual Modeling (ER 2014), Atlanta, USA.
  29. Keynote Speaker at the 18th Iberoamerican Conference on Software Engineering (CibSE 2015), Lima, Peru.
  30. Keynote Speaker at the Argentinean Symposium on Ontologies and its Applications (SAOA 2015), together with the 44<sup>th</sup> Argentinean Joint Conference on Informatics (JAIIO 2015), Rosario, Argentina, 2015.
  31. Keynote Speaker at the 1<sup>st</sup> International Workshop on Enterprise Modeling (ENMO 2014), 33<sup>rd</sup> International Conference on Conceptual Modeling (ER 2014), Atlanta, USA.
  32. Invited panelist on the panel on Conceptual Modeling Education at the 33<sup>rd</sup> International Conference on Conceptual Modeling (ER 2014), Atlanta, USA (*together with Sham Navathe, Karin Davis and Lois Delcambre*).
  33. Invited Speaker at the International Research School at the Joint Conference on Artificial Intelligence (IJCAI 2015), Buenos Aires, 2014.
  34. Invited Speaker at Next-Generation Enterprise Modeling Summer School, Klagenfurt, Austria, 2014.
  35. 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.
  36. Invited for several Dagstuhl seminars in areas such as: *Next Generation Domain Specific Conceptual Modeling: Principles and Methods (2018)*, *Software Language*

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<sup>1</sup>This keynote talk is fully available at <https://www.youtube.com/watch?v=7r4txODDXzc>

<sup>2</sup>This keynote talk is fully available at <https://vimeo.com/nomagic/no-magic-world-symposium-2016/video/170403587>

<sup>3</sup>This keynote talk is fully available at <https://vimeo.com/146652049>

- Engineering Book of Knowledge (2017), Multi-Level Modeling (2017), Spatial Semantics and Robotics (2014), Automated Reasoning on Conceptual Schemas (2013), Cognitive Approaches to the Semantic Web (2012).*
37. Invited Speaker at the W3C Conference Brazil, São Paulo, 2014.
  38. 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).*
  39. Invited Speaker at the 5th International Conference on Software Language Engineering (SLE 2012), Dresden, Germany.
  40. 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*).
  41. 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.
  42. Keynote Speaker at the 8th Brazilian Seminar on Ontological Research (ONTOBRAS 2012), Recife, Brazil.
  43. Invited Panelist at the 24th International Conference on Advanced Information Systems Engineering (CAISE 2012), Gdansk (*together with Matthias Jarke, Erik Proper and Oscar Pastor*).
  44. 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.*
  45. Invited Speaker at the Ontolog Mini-Series Earth Science on Event Heterogeneity-preserving Data Interoperability: Methods and Challenges, 2012.
  46. Invited Speaker at the 1st Colloquium on Linguistic for the Automatic Processing of Natural Language (LIPRA 2012), Vitoria, Brazil, 2012.
  47. Invited Speaker at the Workshop on Semantics for Biodiversity, Recife, 2012.
  48. Invited Speaker at the Ontology Summit 2012.
  49. Invited Speaker at the International Conference on Electronic Government and Open Software (CONSEGI 2011), Brasilia, Brazil.
  50. Invited Speaker at the ISKO Conference (International Society for Knowledge Organization), Brasilia, Brazil, 2011.
  51. Invited Panelist at the W3C Conference Brazil, Rio de Janeiro, 2011.
  52. Invited Speaker at the DynaLearn Workshop (Artificial Intelligence and Education), Brasilia, Brazil, 2011.
  53. 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.
  54. 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).
  55. Invited Speaker at the International Summer School on Software Engineering, Santa Fé, Argentina, 2006.
  56. Keynote Speaker at the Baltic Conference on Databases and Information Systems (BALTIC DB&IS 2006).

## Honors and Awards

1. ACM Distinguished Speaker (2020-2023)
2. Author of the paper winning the Best Presentation Award at the 39th *International Conference on Conceptual Modeling (ER 2020)*, Vienna, 2020.
3. Offered a Full Professor position and Headship of a Super-Division (unifying the divisions of Data and Process Engineering, on one hand, and the group on Formal Methods) at the Danish Technical University (DTU), in Copenhagen. I had to decline that position for personal reasons.
4. *Best paper* award at the 38th *International Conference on Conceptual Modeling (ER 2019)*, Salvador, 2019.
5. *Best Paper* award with a student as a co-author (*with Claudenir Moraes de Fonseca*), 37<sup>th</sup> International Conference on Conceptual Modeling (ER 2018), Xi'an, China, 2018.
6. *Best Paper* award at the 21<sup>st</sup> *IEEE International Conference on Enterprise Computing (EDOC 2017)*, Quebec, Canada, 2017.
7. *Best Paper* award with a student as a co-ator (with Tiago Prince Sales) 21<sup>st</sup> *IEEE International Conference on Enterprise Computing (EDOC 2017)*, Quebec, Canada, 2017.
8. *Distinguished paper* award at the 9th *International Conference on Formal Ontology in Information Systems (FOIS 2016)*, Annecy, France, 2016.
9. *Best paper* award at the 34th *International Conference on Conceptual Modeling (ER 2015)*, Stockholm, Sweden, 2015.
10. *Best paper* award at 30th ACM Symposium on Applied Computing (ACM SAC 2015), Salamanca, Spain 2015.
11. 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.
12. *Best paper* award at the 16<sup>th</sup> *International Conference on Advanced Information Systems Engineering (CAISE 2004)*, Riga, Latvia, June 2004.
13. *Distinguished paper* award at the 8th International Conference on Formal Ontology in Information Systems (FOIS 2014), Brazil, 2014.
14. *Best paper* award at the IEEE 17th International Conference on Enterprise Computing (EDOC 2013), Vancouver, 2013
15. *Best paper* award at the IEEE 15th International Conference on Enterprise Computing (EDOC 2011), Finland, 2011
16. *Distinguished paper* award at the 25th Brazilian Conference on Databases (SBBD 2011), Brazil, 2001.
17. *Distinguished paper* award at the 11th Iberoamerican Conference on Software Engineering (CIBSE 2008), Recife, Brazil, 2008.
18. *Best paper* award at the 15th Brazilian Conference on Software Engineering (SBES 2001), Rio de Janeiro.
19. Nomination for the Christian Huygens Award of the Royal Dutch Academy of Sciences, 2005.
20. Official Nomination to represent the University of Twente in the ACM Jim Grey Best Dissertation Award, 2006.
21. Honorary Title by the Municipality of Vitória in Brazil for contributions to Science.

## 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. Member of the Steering Committee of the International Conference on Conceptual Modeling (ER), since 2017.
3. Member of the **Expert Group advising** the proposal that produced the SAREF ontology (Smart Appliances REference ontology - <https://ec.europa.eu/digital-single-market/en/blog/new-standard-smart-appliances-smart-home> and <https://sites.google.com/site/smartappliancesproject/expert-group>). This is a **standard** that has been developed by the European Commission in close cooperation with industry and ETSI, the **European Telecommunications Standards Institute**.
4. **Cluster Leader of the Conceptual Modeling Section of the VODAN (Virus Outbreak Data Network** - <https://www.go-fair.org/implementation-networks/overview/vodan/vodan-in-clusters/#Modelling>), an international Network formed during the SARS-COV-2 pandemic with the goal of helping in the construction of FAIR data in that domain.
5. Invited Expert of the Special Interest Group on FAIR Digital Object Semantics.
6. Invited Expert of the OntoCommons European Network on Ontology-Driven Technical Documentation in Smart Manufacturing.
7. **Advisory Board** member of the **International Association for Ontology and its Applications (IAOA)**(2014-present).
8. **Associate Editor** for the **Applied Ontology Journal** (2015-present).
9. **Associate Editor** for the **Data & Knowledge Engineering** (2020-present).
10. **Associate Editor** for **Enterprise Modelling and Information Systems Architectures** - EMISA (2017-on going)
11. **Editorial Board member** of the following international journals: **Data and Knowledge Engineering** (2020-on going), **Journal of Database Management** (2020-on going). **Applied Ontology** (2010-ongoing). **Requirements Engineering Journal** (2013-2019). **Enterprise Modelling and Information Systems Architectures** (2017-on going). International Journal of Information Systems Analysis and Design (2006-2018). **Enterprise Engineering Series** (Springer-Verlag, <https://www.springer.com/series/8371>). Annals of Computer Science and Information Systems (2017-on going). Semantic Web Journal (2010-2014)
12. **General Chair** of the 43rd International Conference on Conceptual Modeling (ER 2023).
13. **General Chair** of the 23rd IEEE International Conference on Business Informatics (IEEE CBI 2021).
14. **Program Committee Chair** of the 25th IEEE International Conference on Enterprise Computing (IEEE EDOC 2021).
15. **General Chair** of the 15th International Workshop on Value Modeling and Business Ontologies (VMBO 2021).
16. **General Chair** of the 9th International Conference on Formal Ontology in Information Systems (FOIS 2016).
17. **Program Committee Chair** of the 36th International Conference on Conceptual Modeling (ER 2017).
18. **Program Committee chair** of the 7th International Conference on Formal

- Ontology in Information Systems (FOIS)(2012)
19. **Program Committee chair** of the 14th Intl. IEEE Enterprise Computing Conference (EDOC)(2010)
  20. 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)
  21. **General Chair** of the 10th International Working Conference on Enterprise Engineering (EEWC 2020).
  22. **General Chair** of the 1st ER International Online Summer Seminar Series on Conceptual Modeling (EROSS 2020), an official ER event. This event comprised of 20 online lectures and interviews of circa 1h30' each with world-class figures in the area of Conceptual Modeling (<https://eross2020.inf.unibz.it/>) including 4 Peter Chen Award Winners, 4 ER Fellows and Peter Chen himself.
  23. **Workshops Chair** of the 38th International Conference on Conceptual Modeling (ER 2019).
  24. Member of the Advisory Group of the Leiden Center for Computational Oncology (LCCO).
  25. Co-Chair of the protocol of cooperation between UNIBZ and a Center for Artificial Intelligence and the International Society of Scientific Research vixCIRCLE (scientific society in the area of Computing and Law) and the Innovation Centre of the Espírito Santo State Court of Justice (starting in 2020).
  26. Chair of the Symposium on Conceptual Modeling Education (SCME), part of the 38<sup>th</sup> International Conference on Conceptual Modeling (ER 2019).
  27. Co-Organizer of BOSK Event (Bolzano Summer of Knowledge). The Bolzano Summer of Knowledge (<https://summerofknowledge.inf.unibz.it/>). Originally this was designed as a one-time Multi-Event organized by my research group (CORE) at the Free University of Bolzano lasting for 3 weeks and putting together circa 20 events ranging from Logics (e.g., TIME- Temporal Representation and Reasoning), to Enterprise Modeling (e.g., EEWC), Conceptual Modeling (e.g., ER Online Summer Seminar Series), Knowledge Representation (e.g., EKAW, ICCS – International Conference on Conceptual Structures) and Ontology (e.g., FOIS, ICBO – International Conference on Biomedical Ontologies). The final format of the overall event had to undergo a massive re-design due to the COVID pandemic.
  28. Senior Program Committee Member of the Foundations Track of the International Conference on Business Process Management (BPM).
  29. **Area Associate Editor** (Conceptual Modeling Track) for the International Conference on Information Systems (ICIS 2018).
  30. **Program Committee Chair** of the 10<sup>th</sup> Enterprise Engineering Workshop Conference (EEWC 2019), Portugal.
  31. **Program Committee Chair** of the 9<sup>th</sup> Enterprise Engineering Workshop Conference (EEWC 2018), Luxembourg.
  32. Chair of the Track on Foundational Ontologies at 8<sup>th</sup> Enterprise Engineering Workshop Conference (EEWC 2017), Antwerp, Belgium.
  33. Co-Organizer of the Lorentz Workshop on FAIR Scientific Data (2017), Leiden, The Netherlands (the Lorentz Workshop is the Dutch equivalent of a Dagstuhl Seminar).
  34. Member of the Advisory Board of the International Workshop on Software Knowledge (SKY)
  35. **General Chair** of the 2<sup>nd</sup> IAOA International Summer School on Ontological



- Analysis (2014)
36. **Organizational chair** of the 8th International Conference on Formal Ontology in Information Systems (FOIS)(2014)(this 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.
  37. Member of Advisory Board of the CIAO! Network of Enterprise Engineering.
  38. Member of the Program Board of the International Conference on Conceptual Modeling (ER 2015)(The Program Board is a body constituted by senior members of the community that coordinates the activities of the conference Program Committee).
  39. 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).
  40. Invited participant of an international effort working on a response to the *OMG SMIF (Semantic Model for Information 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>).
  41. Tutorial Chair for International Conference on Advanced Information Systems Engineering (CAISE 2012)
  42. Demo Chair and organizer of the Symposium on Conceptual Modeling Education (together with Ernest Teniente) for International Conference on Conceptual Modeling (ER 2015)
  43. Program Board member of the International Conference on Advanced Information Systems Engineering (CAISE)(2012, 2013, 2014 and 2016)
  44. Nominated Full Member of the IFIP Working Group WG8.1 on Design and Evaluation of Information Systems (since June, 2015)
  45. Invited Member of the Dutch Association for Software Engineering (<https://www.versen.nl/>) that includes all Full Professors in the area of Software Engineering in the Netherlands (since 2020)
  46. 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
  47. 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.
  48. Co-Chair of the SOLEE Workshop (Ontology of Social, Legal and Economic Entities), part of the JOWO (Joint Ontology Workshops), Graz, Austria, 2019.
  49. Co-Chair of the Workshop of Ontology of Economics, part of the JOWO (Joint Ontology Workshops), Cape Town, South Africa, 2018.
  50. Co-Chair of the Bad Ontologies Workshop (BOG), part of the JOWO (Joint Ontology Workshops), Cape Town, South Africa, 2018.
  51. 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.
  52. Co-chair (with Yair Wand and Oscar Pastor) of the IAOA Special Interest Group on Ontologies and Conceptual Modeling (2010-2018)
  53. Co-chair (with Riichiro Mizoguchi) of the IAOA International Outreach Committee

(2011-2013)

54. Advisory Board member of of the Ontology Summit (editions 2011-2014)
55. 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.
56. **Member of the following W3C working groups:** Government Linked Data working Group (GLD)(2013-2014) and Data on the Web Best Practices working Group (DWBP)(2014-2016)
57. **Scientific consultant of W3C Brazil/Brazilian Ministry of Planning** (2011).
58. Organizer of the 1<sup>st</sup> Doctoral Consortium at the International Conference on Conceptual Modeling (ER 2008), with John Mylopoulos and Jordi Cabot.
59. Organizer of the 2<sup>nd</sup> Doctoral Consortium at the International Conference on Conceptual Modeling (ER 2009), with Stefano Spaccapietra.
60. Co-Founder in Brazil of the Brazilian Symposium on Ontological Research (ONTOBRAS) and member of its Steering Committee (event now running yearly for more than a decade and with regular attended by around 100 participants).
61. Regular program committee member/senior 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), AAI (AAAI Conference on Artificial Intelligence) and AAI Spring Symposium Series (Combining Machine Learning with Knowledge Engineering), IJCAI (International Joint Conference on Artificial Intelligence), ISWC (International Semantic Web Conference), ESWC (Extended Semantic Web Conference), KR (International Conference on Knowledge Representation and Reasoning), CAISE (International Conference on Advanced Information Systems Engineering), ER (International Conference on Conceptual Modeling), BPM (International Conference on Business Process Management), FOIS (International Conference on Formal Ontology in Information Systems), CoopIS (International Conference on Cooperative Information Systems), IEEE EDOC (International Enterprise Computing Conference), IEEE CBI (International Conference on Business Informatics), PoEM (IFIP WG 8.1 Working Conference on The Practice of Enterprise Modeling), BIR (International Conference on Perspectives on Business Informatics Research), RuleML (International Web Rule Symposium), SLE (International Conference on Software Language Engineering), ISD (International Conference on Information Systems Development), BPMDS (International Conference on Business Process Modeling, Develop. and Support), ECAI (European Conference on Artificial Intelligence), ADBIS (East-European Conference on Advances in Databases and Information Systems), RCIS (International Conference on Research Challenges in Information Science), EKAW (International Conference on Knowledge Engineering and Knowledge Management), ACM SAC (Symposium on Applied Computing), EMMSAD (International Working Conference on Exploring Modeling Methods for Systems Analysis and Design).

## Presence in the Media

- «Capire il Covid-19 con il linguaggio dei dati»: L'informatico di unibz, Giancarlo Guizzardi, tra i ricercatori più citati e influenti al mondo, spiega come la sua modellazione concettuale può rendere più efficiente la lotta alla pandemia, NOI Magazine, 2021. <https://noi.bz.it/it/magazine-innovazione/capire-il-covid-19-con-il-linguaggio-dei-dati>
- Decifrando Dados – Professor de Informática Giancarlo Guizzardi explica à Comunità a importância do intercâmbio de dados científicos em relação a propagação da Covid-19, Comunità Italiana, No. 264, pp-36-37, (<https://comunitaitaliana.com/decifrando-dados/>)
- Acht Professoren der unibz unter Top zwei Prozent der Wissenschaftler weltweit, Südtirol News, 2020 (<https://www.suedtirolnews.it/wirtschaft/acht-professoren-der-unibz-unter-top-zwei-prozent-der-wissenschaftler-weltweit>)
- Informatica, il ricercatore unibz Giancarlo Guizzardi tra i più citati e influenti al mondo, Alto Adige Innovazione, 2020 (<https://www.altoadigeinnovazione.it/giancarlo-guizzardi/>)
- Università: 8 docenti di Unibz tra gli scienziati più citati, ANSA Trentino AA/S, 2020 ([https://www.ansa.it/trentino/notizie/qualitaaltoadige/2020/11/24/universita-8-docenti-di-unibz-tra-gli-scienziati-piu-citati\\_7c5ff065-0374-4784-887e-df4318f54fc6.html](https://www.ansa.it/trentino/notizie/qualitaaltoadige/2020/11/24/universita-8-docenti-di-unibz-tra-gli-scienziati-piu-citati_7c5ff065-0374-4784-887e-df4318f54fc6.html))
- Unibz, otto professori nel 2% degli scienziati più citati al mondo, Alto Adige Innovazione, 2020 (<https://www.altoadigeinnovazione.it/unibz-professori/>)
- altoadige.it: Università, otto docenti di Unibz tra gli scienziati più citati (24/11/2020).
- Alto Adige: Otto professori di Unibz nel 2% degli scienziati più citati al mondo (25/11/2020).
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## Citations and Impact Highlights

	Since 2002	Since 2016
Citations	9670	4938
h-index	50	33
i10-index	174	124

- According to a recent study published at the Data & Knowledge Engineering journal in the context of the celebration of the 40<sup>th</sup> anniversary of the International Conference on Conceptual Modeling - ER (a CORE A conference), I am the *third most prolific author in this four-decades history of that community*. Moreover, according to that same study, I am the *second-most influential author in terms of degree centrality*.
- I was also included in the List produced by Stanford Researchers in 2020 with the 2% Most Cited Academics in the World (<https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>).

## Publications

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11. Oliveira, J., Almeida, J.P., Zambon, E., GUIZZARDI, G., Building Correct Taxonomies with a Well-Founded Graph Grammar, IEEE 15th International Conference on Research Challenges in Information Science (RCIS 2021), Cyprus (online), 2021.
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47. HEDBLUM, M., KUTZ, O., PENALOZA, R., GUIZZARDI, G., Image Schema Combinations and Complex Events, Künstliche Intelligenz, German Journal of Artificial Intelligence, special issue on "Cognitive Reasoning", Springer-Verlag, 2019.
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