

Ernesto Jiménez-Ruiz

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Personal Data

Citizenship Spanish
Place of Birth Castellón de la Plana, Spain
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Education

2005–2010 **Doctor of Philosophy**, *Universitat Jaume I*, Castellón, Spain.
Cum laude (highest grade in Spain) and Doctoral Award in Engineering category
Title: Logic-based support for Ontology Development in Open Environments
Supervisors: Rafael Berlanga (Universitat Jaume I), Bernardo Cuenca (University of Oxford)
Description: The PhD has covered several areas, including bio-medical information processing, ontology reuse, ontology versioning, ontology matching, and text mining.

1999–2004 **Computer Science (5-years Degree)**, *Universitat Jaume I*, Castellón, Spain.
Grade: 8.12 of 10

Employment History

Post-Doctoral

Sept 2016–
Today **Researcher**, *Department of Informatics*, University of Oslo, Norway.
Logic and Intelligent Data (LOGID) Group
Projects: BigMed (Research Council of Norway), SIRIUS (Research Council of Norway)

Jan 2011–
Aug 2016 **Research Assistant**, *Department of Computer Science*, University of Oxford, UK.
Knowledge Representation and Reasoning (KRR) Group
Research Member of Common Room, Wolfson College
Projects: Optique (FP-7), DBOnto (EPSRC), PYME (Spanish Ministry), ELKRIA (Spanish Ministry), LogMap (EPSRC)

Oct-Dec 2010 **Research Assistant**, *Universitat Jaume I*, Spain.
Projects: CALBC (FP-7), RASI (Spanish Ministry)

Pre-Doctoral

2006–2010 **Doctoral Fellowship**, *Valencian Government*, Universitat Jaume I, Spain.
Projects: Health-e-Child (FP-6), MASD (Spanish Ministry)

2004–2006 **Research Assistant**, Universitat Jaume I, Spain.
Projects: EDUGI.LA (Alfa Program)

Research Stays

June 2015 **Visiting Fellow**, *Department of Computer Science*, University of Liverpool, UK.

July 2014 **Guest visitor**, *Dipartimento di Informatica*, Sapienza University of Rome, Italy.

Oct-Dec 2010 **Research visitor**, *European Bioinformatics Institute*, Cambridge, UK.

Jul-Dec 2009 **PhD Student visitor**, *Computing Laboratory*, University of Oxford, UK.

Jun-Dec 2008 **PhD Student visitor**, *Computing Laboratory*, University of Oxford, UK.

Sep-Dec 2007 **PhD Student visitor**, *School of Computer Science*, University of Manchester, UK.

Apr-Jun 2007 **PhD Student visitor**, *European Bioinformatics Institute*, Cambridge, UK.

Sep-Dec 2005 **Scholarship**, Universidad de Concepción, Chile.

Undergraduate

2003–2004 **Scholarship**, *Spanish Government*, Universitat Jaume I, Spain.

Jul-Sep 2003 **Scholarship**, Institute of Astrophysics of the Canary Islands (IAC), Spain.

Jun-Sep 2002 **Internship**, BP Oil Refinery of Castellón, Spain.

Thesis Supervision Experience

PhD/DPhil Thesis Supervision

2014–2015 **Alessandro Solimando**, University of Genova, Italy.
Change Management in the Traditional and Semantic Web (Defended on May 11, 2015).
Co-supervised with Giovanna Guerrini

2014–Today **Shahad Kudama**, Universitat Jaume I, Castellon, Spain.
Co-supervised with Rafael Berlanga

PhD Thesis Committee

Oct 2015 **José Mora López**, *PhD thesis*, Universidad Politécnica de Madrid, Spain.

Feb 2014 **Ana Estellés Palanca**, *PhD thesis*, Universitat Jaume I, Spain.

Sep 2013 **María Pérez Catalán**, *PhD thesis*, Universitat Jaume I, Spain.

Sep 2012 **María del Mar Roldán García**, *PhD thesis*, University of Malaga, Spain.

MSc Thesis Supervision

2016 **Daanish Rijhwani**, University of Oxford, UK.
Evaluation of BioPortal Mappings.
Co-supervised with Bernardo Cuenca Grau

- 2015 **Weiguo Xia**, Miami University, Ohio, United States.
Automatic Selection of Mediating Ontologies for Aligning Biomedical Ontologies.
Co-supervised with Valerie Cross
- 2014 **Shuo Zhang**, University of Oxford, UK.
Inconsistency Repair in Ontology Matching.
Co-supervised with Bernardo Cuenca Grau
- 2014 **Yuan Gong**, University of Oxford, UK.
Exploiting Translation Tools in Cross-language Ontology Matching.
Co-supervised with Bernardo Cuenca Grau
- 2014 **Xi Chen**, Miami University, Ohio, United States.
Exploiting Bioportal as Background Knowledge in Ontology Alignment.
Co-supervised with Valerie Cross
- 2011 **Antón Morant**, University of Oxford, UK.
Extending and Optimizing an Ontology Matching System.
Co-supervised with Bernardo Cuenca Grau
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Teaching Experience

Teaching

- Jan-Mar 2016 **Class Tutor and Teaching Assistant**, University of Oxford, UK.
Subjects: *Visual Analytics*
- 2013-2015 **(External) Adjunct Assistant Professor**, University of Miami, Ohio, United States.
Supervision of MSc thesis and participation in MSc thesis committees
- Jan-Mar 2015 **Class Tutor and Teaching Assistant**, University of Oxford, UK.
Subjects: *Visual Analytics*
- Jan-Mar 2014 **Class Tutor and Teaching Assistant**, University of Oxford, UK.
Subjects: *Knowledge Representation and Reasoning*
- Jan-Mar 2013 **Class Tutor and Teaching Assistant**, University of Oxford, UK.
Subjects: *Knowledge Representation and Reasoning*
- Jan-Mar 2012 **Teaching Assistant**, University of Oxford, UK.
Subjects: *Knowledge Representation and Reasoning*
- 2009-2010 **Practical Demonstrator, Class Tutor and Teaching Assistant**, Universitat Jaume I, Spain.
Subjects: *Client-Server Systems*
- 2008-2009 **Practical Demonstrator, Class Tutor and Teaching Assistant**, Universitat Jaume I, Spain.
Subjects: *Client-Server Systems* and *Computer Programs for Business Administration*

Training

- Oct 2013 **Class Teaching and Practical Demonstrating Seminars**, 4 hours, Department of Computer Science, University of Oxford, UK.
- 2009-2010 **University Teaching Training Program**, 200 hours, Universitat Jaume I, Spain.

2004–2005 **Secondary School Teaching Training Program**, 200 hours, Universitat Jaume I, Spain.

Teaching-related Innovation Projects

2011 **Supporting the Web programming requirements in the subject “Client-Server Systems”**, *Principal Investigator*.

2010 **Applying project-based cooperative learning to the subject “Client-Server Systems”**, *Investigator*.

Teaching-related Publications

2011 **Applying novel teaching techniques to the subject “Client-Server Systems”**. XVII Jornadas de Enseñanza Universitaria de la Informática. ISBN: 978-84-694-5156-4

2011 **Supporting the Web programming requirements in the subject “Client-Server Systems”**.

IX Jornada de Millora Educativa de l’UJI. ISBN: 978-84-695-0300-3

2011 **Applying project-based cooperative learning to the subject “Client-Server Systems”**.

XI Jornada sobre aprenentatge cooperatiu. ISBN: 978-84-694-4111-4

Participation in Research Projects

2016–Today **SIRIUS Center for Scalable Data Access**, *Researcher*.

Research Council of Norway
Principal Investigator: Arild Waaler

2016–Today **BigMed: Big data Medical solution**, *Researcher*.

Research Council of Norway
Principal Investigator: Erik Fosse

2016–Today **Description of cardiovascular phenotype in the UK Biobank population based on cardiovascular magnetic resonance and carotid ultrasound**, *External Collaborator*.

UK BioBank project
Principal Investigator: Steffen Petersen

2015–2016 **DBOnto: Bridging Databases and Ontologies**, *Researcher*.

Platform grant. UK Engineering and Physical Sciences Research Council (EPSRC)
Principal Investigator: Ian Horrocks

2012–2016 **Optique - Scalable End-user Access to Big Data**, *Researcher*.

EU Seventh Framework Programme (FP-7)
Principal Investigator: Arild Waaler / Ian Horrocks

2015–Today **PYME - Desarrollo de una infraestructura abierta de datos enlazados para la inteligencia de negocio social orientada a PYME**, *External Researcher*.

Spanish Ministry of Economy and Competitiveness
Principal Investigator: Rafael Berlanga

- 2012-2014 **ELKRIA - Exploring Large Knowledge Repositories for the Integration and Analysis of Biomedical Information and Services**, *External Researcher*.
Spanish Ministry of Economy and Competitiveness
Principal Investigator: Rafael Berlanga
- 2011-2012 **LogMap - Logic-based Methods for Ontology Mapping**, *Researcher*.
UK Engineering and Physical Sciences Research Council (EPSRC)
Principal Investigator: Bernardo Cuenca Grau
- 2011 **SEALS - Semantic Evaluation at Large Scale**, *External Researcher*.
EU Seventh Framework Programme (FP-7)
Principal Investigator: Asunción Gómez Pérez / Ian Horrocks
- 2010 **CALBC - Collaborative Annotation of a Large Biomedical Corpus**, *Researcher*.
EU Seventh Framework Programme (FP-7)
Principal Investigator: Dietrich Rebholz-Schuhmann
- 2009-2011 **RASI - Retrieval and Analysis of Semantic Information: application to the biomedical domain**, *Researcher*.
Spanish Ministry of Science and Innovation
Principal Investigator: Rafael Berlanga
- 2006-2009 **Health-e-Child - an integrated healthcare platform for European paediatrics**, *Researcher*.
EU Seventh Framework Programme (FP-6)
Principal Investigator: Yannis Ioannidis / Rafael Berlanga
- 2005-2008 **MASD - Multidimensional Analysis of Semistructured Documents in the Semantic Web**, *Researcher*.
Spanish Ministry of Education and Science
Principal Investigator: Rafael Berlanga
- 2005 **EDUGI.LA II - Network for GI Science Education**, *Researcher and Trainee*.
ALFA program, No. II-0426-A-FI
Principal Investigator: M. Andrea Rodríguez / Michael Gould
- 2003 **EAV - Virtual Acoustic Space**, *Trainee*.
Project partially funded by the Institute of Astrophysics of the Canary Islands (IAC)
Principal Investigator: Luís Fernando Rodríguez Ramos
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Participation in R&D Contracts with Companies

- 2015-2016 **OSSA: Enabling Semantical Analytics**, Siemens AG.
- 2006-2009 **Research and Development of new services for the development platform Maat-G**, MAAT G-Knowledge S.L.
- 2005-2006 **Generation, storage and management of data schemas in the environment G-DEVELOPER**, MAAT G-Knowledge S.L.
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Academic Services

Project Reviewer

- 2013-2014 **FONDECYT Program**, National Fund for Scientific and Technological Development, Government of Chile.

Editor-in-Chief

2016-Today **Privacy and Health Information Management (IGI Global)**.
www.igi-global.com/journal/international-journal-privacy-health-information/

Journal Reviewer

- Elsevier **Web Semantics, Computer and System Sciences, Biomedical Informatics, Knowledge Based Systems, Evaluation and Program Planning, Human-Computer Studies, Logical and Algebraic Methods in Programming, Computer Science Review.**
- IGI **Privacy and Health Information Management (*Editorial Review Board*), Semantic Web and Information Systems.**
- Springer **Journal of Healthcare Informatics Research (*Editorial Review Board*), Knowledge and Information Systems, Computer Science and Technology, Data Semantics.**
- IEEE **Computing, Transactions on Knowledge and Data Engineering.**
- BMC **Bioinformatics, Biomedical Semantics.**
- IOS Press **Semantic Web.**
- Oxford **Bioinformatics.**
- MDPI **Data (*Guest Editor*).**
- SAGE **Journal of Information Science.**

Organizing Committee

- OM **International Workshop on Ontology Matching.**
Collocated with the International Semantic Web Conference (2013-2016 editions)
- OWLED-
ORE **International Workshop on OWL Experiences and Directions + OWL Reasoner Evaluation Workshop.**
Collocated with the International Conference on Knowledge Engineering and Knowledge Management (2016)
- ORE **OWL Reasoner Evaluation Workshop.**
Collocated with the Description Logic Workshop (2015), the Vienna Summer of Logic (2014), the Description Logic Workshop (2013) and International Joint Conference on Automated Reasoning (2012)
- ELKR **Workshop on Exploiting Large Knowledge Repositories.**
Collocated with the Spanish SEPLN Conference (2012) and the Database and Expert Systems Applications Conference (2011)

Program Committee Member

- ISWC **International Semantic Web Conference:** 2013 (Evaluation Track), 2014–2016
- ESWC **Extended Semantic Web Conference:** 2013 (subreviewer), 2015 and 2016
- PAIS **Conference on Prestigious Applications of Intelligent Systems:** 2014 and 2016
- GCAI **Global Conference on Artificial Intelligence:** 2016
- CoDeS **Workshop on Completing and Debugging the Semantic Web:** 2016

- NOBIDS **Norwegian Big Data Symposium:** 2016
- BIH **Brain Informatics and Health Conference:** 2016
- BigData **International Conference on Big Data Computing Services:** 2016 (subreviewer)
- ICSH **International Conference for Smart Health:** 2014 and 2015
- ICHI **IEEE International Conference on Health Informatics:** 2013 and 2014
- SWAT4LS **Semantic Web Applications and Tools for Life Sciences:** 2013 and 2014
- DL **International Workshop on Description Logics:** subreviewer in 2013 and 2014
- OWLED **International Workshop on OWL Experiences and Directions:** 2014
- WoMO **International Workshop on Modular Ontologies:** 2014
- JIST **Joint International Semantic Technology Conference:** 2012 (subreviewer)
- OM **International Workshop on Ontology Matching:** 2012

Invited Talks and Seminars

- Oct 2015 **Bootstrapping meets Ontology Alignment**, Logic and Intelligent Data Group, University of Oslo, Norway.
- Oct 2015 **Towards Enabling the Semantic Access of Phenotypic Information in Clinical Letters**, Language Technology Group, University of Oslo, Norway.
- May 2015 **Evaluating Ontology Matching and Mapping Repair Systems with Large Biomedical Ontologies**, DIBRIS, University of Genova, Italy.
- March 2015 **Coping with Conservativity Violations in Ontology-to-ontology Alignments in Practice**, Agent ART Group, University of Liverpool, UK.
- July 2014 **Bootstrapping meets Ontology Alignment**, Artificial Intelligence and Knowledge Representation Group, Sapienza University of Rome, Italy.
- Sept 2013 **Towards Ontology Based Data Access: Experiences in the Optique project**, TKBG Group, Universitat Jaume I, Spain.
- Dec 2011 **Logic-based and Scalable Ontology Matching**, KRDB Group, Free University of Bozen-Bolzano, Italy.
- Apr 2010 **Logic-based support for Ontology Development: reuse, collaboration and integration**, Ontology Engineering Group, Universidad Politécnic de Madrid, Spain.

Languages

- Spanish **Native**
- English **Advanced** *Advanced Level Certification. Spanish Official School of Languages*
- Italian **Intermediate** *Basic and Threshold OPAL courses. Oxford University Language Center*
- Catalan **Intermediate** *Middle level of Catalan knowledge. Universitat Jaume I*

Prizes and Distinctions

- 2015 Best Demo Paper Award in the International Semantic Web Conference to the paper “Semantic Access to Siemens Streaming Data: the Optique Way”
 - 2015 Best Demo Paper Nomination in the International Semantic Web Conference to the paper “BootOX: Bootstrapping OWL 2 ontologies and R2RML mappings from Relational Databases”
 - 2014 Third Prize in the OWL Reasoner Evaluation (ORE) Workshop with MORE
 - 2013 Best Newcomer Prize in the OWL Reasoner Evaluation (ORE) Workshop with MORE
 - 2012 My PhD dissertation received a Doctoral Award in the Engineering category from the University Jaume I of Castellón. This award recognized outstanding PhD thesis defended in 2010 or 2011 (<http://www.cs.ox.ac.uk/news/514-full.html>)
 - 2008 Best Paper Nomination in the European Semantic Web Conference to the paper “Safe and Economic Reuse of Ontologies: A Logic-based Methodology and Tool Support” [C14]
 - 1999 Third position in the local phase (Castellón) of the XXXV Mathematical Olympiad and participation in the national phase in Granada (Spain)
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Programming Skills

- Advanced **Java 2 SE (Dev. Environment: Eclipse), Python.**
Developed Systems in Java: BootOX (Optique Bootstrapper) [J3], [C4], [C5], RODI [C6], Backend for OptiqueVQS [J4], LogMap [C7], [C8], [C10], [C12], ContentMap [C13], ContentCVS [J7], ProSÉ [C14]
Developed Systems in Python: OWL Parser
 - Intermediate **C, C++, Matlab, PHP, JavaScript, Basic (Dev. Env.: Visual Basic 6.0).**
Developed Systems in Matlab: A Classifier based on Artificial Neural Networks [J5]
Developed Systems in Visual Basic in the Institute of Astrophysics of the Canary Islands and in the BP Oil Refinery of Castellón
Developed Systems in JavaScript: Web interface for the LogMap system
 - Basic notions Mathematica, Fortran, VHDL, Prolog, LISP, Parallel Programming (OpenMP, MPI)
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Selected Publications

Since 2005 I have published more than 100 papers in peer-reviewed journals, conferences, workshops, and books. According to Google Scholar my papers have received more than 1,700 citations.¹ For each scientific output, the following quality indexes are provided:

- The CORE ranking has been used to measure the quality of the conference contributions.
- Impact factor provided by the Journal Citation Report (JCR) and the SCImago Journal Rank (SJR Quartiles) have been used as quality indexes for journal papers (2015 values).

In this section I only include a subset of the papers which have been published in top-tier conferences and journals, including 8 Quartile-1 journals, 2 Quartile-2 journals, 2 Quartile-3 journals, 2 CORE A* conference paper, and 12 CORE A conference papers:

<http://scholar.google.com/citations?hl=en&user=07ioke0AAAAJ>

- [J1] A. Solimando, E. Jimenez-Ruiz, and G. Guerrini, "Minimizing Conservativity Violations in Ontology Alignments: Algorithms and Evaluation," *Knowledge and Information Systems (KAIS)*, 2016 (in press), **Impact Factor:** 1.782. **Quartile:** Q1 - Information Systems.
- [J2] A. Soyly, M. Giese, E. Jiménez-Ruiz, E. Kharlamov, D. Zheleznyakov, and I. Horrocks, "Ontology-based End-user Visual Query Formulation: Why, what, who, how, and which?" *Universal Access in the Information Society*, 2016 (in press), **Impact Factor:** 0.656. **Quartile:** Q3 - Human-Computer Interaction.
- [J3] M. Giese, P. Haase, E. Jiménez-Ruiz, D. Lanti, Ö. L. Özçep, M. Rezk, R. Rosati, A. Soyly, G. Vega-Gorgojo, A. Waaler, and G. Xiao, "Optique – Zooming In on Big Data Access," *Computer (IEEE)*, 2015, **Impact Factor:** 1.115. **Quartile:** Q1 - Computer Science (miscellaneous).
- [J4] A. Soyly, M. Giese, E. Jiménez-Ruiz, G. Vega-Gorgojo, and I. Horrocks, "Experiencing OptiqueVQS: A Multi-paradigm and Ontology-based Visual Query System for End Users," *Universal Access in the Information Society*, 2015, **Impact Factor:** 0.656. **Quartile:** Q3 - Human-Computer Interaction.
- [J5] J. V. Martí, J. Sales, R. Marín, and E. Jiménez-Ruiz, "Localization of Mobile Sensors and Actuators for Intervention in Low-Visibility Conditions: The ZigBee Fingerprinting Approach," *International Journal of Distributed Sensor Networks*, 2012, **Impact Factor:** 0.906. **Quartile:** Q2 - Engineering (miscellaneous).
- [J6] R. Berlanga Llavori, E. Jiménez-Ruiz, and V. Nebot, "Exploring and linking biomedical resources through multidimensional semantic spaces," *BMC Bioinformatics*, vol. 13, no. S-1, S6, 2012, **Impact Factor:** 2.435. **Quartile:** Q1 - Computer Science Applications.
- [J7] E. Jiménez-Ruiz, B. Cuenca Grau, I. Horrocks, and R. Berlanga Llavori, "Supporting concurrent ontology development: Framework, algorithms and tool," *Data Knowl. Eng.*, vol. 70, no. 1, pp. 146–164, 2011, **Impact Factor:** 1.5. **Quartile:** Q1 - Information Systems and Management.
- [J8] E. Jiménez-Ruiz, B. Cuenca Grau, I. Horrocks, and R. Berlanga, "Logic-based assessment of the compatibility of UMLS ontology sources," *J. Biomed. Sem.*, vol. 2, 2011, **Impact Factor:** 1.62. **Quartile:** Q1 - Information Systems.
- [J9] Z. Falomir, E. Jiménez-Ruiz, M. T. Escrig, and L. Museros, "Describing images using qualitative models and description logics," *Spatial Cognition & Computation*, vol. 11, no. 1, pp. 45–74, 2011, **Impact Factor:** 0.760. **Quartile:** Q2 - Computer Graphics and Computer-Aided Design.
- [J10] A. Jimeno-Yepes, E. Jiménez-Ruiz, R. Berlanga Llavori, and D. Rebolz-Schuhmann, "Reuse of terminological resources for efficient ontological engineering in life sciences," *BMC Bioinformatics*, vol. 10, no. S-10, 2009, **Impact Factor:** 2.435. **Quartile:** Q1 - Computer Science Applications.
- [J11] M. Mesiti, E. Jiménez-Ruiz, I. Sanz, R. Berlanga Llavori, P. Perlasca, G. Valentini, and D. Manset, "XML-based approaches for the integration of heterogeneous bio-molecular data," *BMC Bioinformatics*, vol. 10, no. S-12, 2009, **Impact Factor:** 2.435. **Quartile:** Q1 - Computer Science Applications.

- [J12] A. Jimeno-Yepes, E. Jiménez-Ruiz, V. Lee, S. Gaudan, R. Berlanga Llavori, and D. Rebholz-Schuhmann, "Assessment of disease named entity recognition on a corpus of annotated sentences," *BMC Bioinformatics*, vol. 9, no. S-3, 2008, **Impact Factor: 2.435. Quartile: Q1 - Computer Science Applications.**

Conference Papers

- [C1] Z. Dragisic, V. Ivanova, P. Lambrix, D. Faria, E. Jiménez-Ruiz, and C. Pesquita, "User validation in ontology alignment," in *International Semantic Web Conference (ISWC)*, **Acceptance rate: 23% (Core A)**, vol. LNCS 9981, 2016, pp. 200–217.
- [C2] E. Kharlamov, B. C. Grau, E. Jiménez-Ruiz, S. Lamparter, G. Mehdi, M. Ringsquandl, Y. Nenov, S. Grimm, M. Roshchin, and I. Horrocks, "Capturing industrial information models with ontologies and constraints," in *International Semantic Web Conference (ISWC)*, **Acceptance rate: 23% (Core A)**, vol. LNCS 9981, 2016, pp. 325–343.
- [C3] E. Jiménez-Ruiz, T. Payne, A. Solimando, and V. Tamma, "Limiting Logical Violations in Ontology Alignment Through Negotiation," in *Principles of Knowledge Representation and Reasoning (KR)*, **Acceptance rate: 27% (Core A*)**, 2016, (in press).
- [C4] E. Jiménez-Ruiz, E. Kharlamov, D. Zheleznyakov, I. Horrocks, C. Pinkel, M. G. Skjæveland, E. Thorstensen, and J. Mora, "BootOX: Practical Mapping of RDBs to OWL 2," in *International Semantic Web Conference (ISWC)*, **Acceptance rate: 25% (Core A)**, vol. LNCS 9367, 2015, pp. 113–132.
- [C5] E. Kharlamov, D. Hovland, E. Jiménez-Ruiz, D. L. C. Pinkel, M. Rezk, M. G. Skjæveland, E. Thorstensen, G. Xiao, D. Zheleznyakov, E. Bjørge, and I. Horrocks, "Enabling ontology based access at statoil," in *International Semantic Web Conference (ISWC)*, **Acceptance rate: 25% (Core A)**, vol. LNCS 9367, 2015, pp. 93–112.
- [C6] C. Pinkel, C. Binnig, E. Jiménez-Ruiz, W. May, D. Ritze, M. G. Skjæveland, A. Solimando, and E. Kharlamov, "RODI: A benchmark for automatic mapping generation in relational-to-ontology data integration," in *Extended Semantic Web Conference (ESWC)*, **Acceptance rate: 23% (Core A)**, vol. LNCS 9088, 2015, pp. 21–37.
- [C7] D. Faria, E. Jimenez-Ruiz, C. Pesquita, E. Santos, and F. M. Couto, "Towards annotating potential incoherences in BioPortal mappings," in *International Semantic Web Conference*, **Acceptance rate: 23% (Core A)**, vol. LNCS 8797, Oct. 2014, pp. 17–32.
- [C8] A. Solimando, E. Jimenez-Ruiz, and G. Guerrini, "Detecting and correcting conservativity principle violations in ontology-to-ontology mappings," in *International Semantic Web Conference*, **Acceptance rate: 23% (Core A)**, vol. LNCS 8797, Oct. 2014, pp. 1–16.
- [C9] E. Kharlamov, E. Jiménez-Ruiz, D. Zheleznyakov, D. Bilidas, M. Giese, P. Haase, I. Horrocks, H. Kllapi, M. Koubarakis, Ö. L. Özçep, M. Rodriguez-Muro, R. Rosati, M. Schmidt, R. Schlatte, A. Soylu, and A. Waaler, "Optique: Towards OBDA Systems for Industry," in *Extended Semantic Web Conference (ESWC)*, **Acceptance rate: 26% (Core A)**, vol. LNCS 7955, 2013, pp. 125–140.
- [C10] E. Jiménez-Ruiz, B. Cuenca Grau, Y. Zhou, and I. Horrocks, "Large-scale Interactive Ontology Matching: Algorithms and Implementation," in *European Conference on Artificial Intelligence (ECAI)*, **Acceptance rate: 28% (Core A)**, vol. FAIA 242, IOS Press, 2012, pp. 444–449.

- [C11] B. Cuenca Grau, E. Jiménez-Ruiz, E. Kharlamov, and D. Zheleznyakov, "Ontology Evolution Under Semantic Constraints," in *Principles of Knowledge Representation and Reasoning (KR)*, **Acceptance rate: 26% (Core A*)**, AAAI Press, 2012, pp. 137–147.
- [C12] E. Jiménez-Ruiz and B. Cuenca Grau, "LogMap: Logic-based and Scalable Ontology Matching," in *International Semantic Web Conference (ISWC)*, **Acceptance rate: 19% (Core A)**, vol. 7031, 2011, pp. 273–288.
- [C13] E. Jiménez-Ruiz, B. Cuenca Grau, I. Horrocks, and R. Berlanga, "Ontology Integration Using Mappings: Towards Getting the Right Logical Consequences," in *European Semantic Web Conference (ESWC)*, **Acceptance rate: 18% (Core A)**, vol. LNCS 5554, 2009, pp. 173–187.
- [C14] E. Jiménez-Ruiz, B. C. Grau, U. Sattler, T. Schneider, and R. B. Llavori, "Safe and Economic Re-Use of Ontologies: A Logic-Based Methodology and Tool Support," in *European Semantic Web Conference (ESWC)*, **Acceptance rate: 19% (Core A)**, vol. LNCS 5021, 2008, pp. 185–199.