

CURRICULUM VITAE

DR. ERNESTO JIMÉNEZ RUIZ



Personal Information

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URL: <http://krono.act.uji.es/people/Ernesto>
Nationality: Spanish
Date of Birth: 16-09-1981

Education

PhD Studies in the Program "Advanced Computer Systems" 2005 - 2010

Jaime I University of Castellon
PhD degree with honours in Computer Science
"Logic-based support for Ontology Development in Open Environments" –June 24, 2010
Diploma of Advanced Studies (DEA) – September 2007

- Educational Stage(2005): 21 Credits (Qualification: 9'07)
- Research Stage (2007): 12 Credits (Qualification: 10)

Thesis Supervisors:

- Rafael Berlanga Llavori, Tempral Knowledge Bases Group, Jaime I University of Castellon
- Bernardo Cuenca Grau, Knowledge Representation and Reasoning Group, Computing Laboratory, Oxford University

Courses of Master in Intelligent Systems 2006-2007

Jaime I University of Castellon
Credits passed: 42

Fourth European Summer School on Ontological Engineering and the Semantic Web July 2006

SSSW - 2006, Cercedilla, Madrid, Spain
Organizers: Asunción Gómez-Pérez, John Domingue, Arthur Stutt

Courses of Master in Computer Science Sep-Dec 2005

- Computer Science Department, Concepcion University (Chile)
- Courses (100 hours):
 - Information Retrieval
 - Introduction to Text Mining

Computer Science Engineering Degree (5-years Degree) 1999 – 2004

- Average qualification
 - o Grades between 5 and 10: *8'12*
 - o Grades between 1 and 4: *2,40*

Participation in Research Projects

International Projects:

1. Health-e-Child: an integrated healthcare platform for European paediatrics, and a Grid-enabled European network of leading clinical centres (IST-2004-027749)
 - *Person in Charge:* Joerg Freund (joerg.freund@siemens.com)
 - *Funded:* EC Sixth Framework IST Programme (IST 2004-027749)
 - *Partners:* Siemens (German), Lynkeus SRL (Italy), IGG (Italy), University College London (UK), Assistance Publique Hopitaux de Paris (France), CERN (Switzerland), University of West England, (UK), University of Athens, (Greece), Università di Genova (Italy), INRIA (France), EGF (Italy), ASPER BIOTECH (Estonia), MAAT G KNOWLEDGE, S.L. (Spain), FGG (Italy)
 - *Duration:* January, 2006 – December 31, 2009
 - *Participation:* WP6- Biomedical knowledge representation and WP7-Data management layer and data integration mechanisms

2. Creation of a Virtual Acoustic Space of medical application in blind people (EAV)
 - *Person in Charge:* Luís Fernando Rodríguez Ramos (Irr@ll.iac.es)
 - *Funded:* Spanish Ministry of Science and Technology (PROFIT program), European Community (FEDER-CICYT program), Spanish Blind People Organization, etc.
 - *Partners:* Department of Physiology of their Faculty of Medicine and the Institute of Astrophysics of the Canary Islands.
 - *Participation:* IAC Summer Technological Development Grant (Summer 2003)

3. EDIGI.LA II: Network for GI Science Education - Latin-America II (code 05I035)
 - *Person in Charge:* Christoph Brox (broxc@uni-muenster.de)
 - *Funded:* Financial support by ALFA program, No. II-0426-A-FI
 - *Partners:* U Pernambuco (Brazil), INPE (Brazil), IT Toluca (Mexico), U Concepción (Chile), U Jaume I (Spain), UN Lisbon (Portugal), U Münster (Germany, coordinator)
 - *Participation:* EDUGI.LA II Research Grant (September-December 2005)

Spanish Ministry Projects:

4. Retrieval and Analysis of semantic information: application within the biomedical domain
 - *Person in Charge:* Rafael Berlanga Llavori (berlanga@uji.es)
 - *Funded:* MICINN TIN2008-01825/TIN. Spanish Ministry of Science and Innovation.
 - *Partners:* Jaume I University of Castellon, University of Malaga, University of Granada, Polytechnic University of Madrid, University of Extremadura
 - *Duration:* January, 2009 – December 31, 2011

5. Multidimensional Analysis of Semistructured documents in the Semantic Web.
 - *Person in Charge:* Rafael Berlanga Llavori (berlanga@uji.es)
 - *Funded:* CITYC TIN2005-09098-C05-04. Spanish Ministry of Education and Science.
 - *Partners:* Jaume I University of Castellon, University of Malaga, University of Granada, Polytechnic University of Madrid, University of Extremadura
 - *Duration:* December 1, 2005 – December 1 2008

Jaume I University Projects

6. Contextualized Datawarehouses with opinion polls from the WWW
 - *Person in Charge:* Juan Manuel Martínez Pérez (martinej@uji.es)
 - *Funded:* UJI- Bancaixa Foundation
 - *Partners:* Jaume I University of Castellon
 - *Duration:* December, 2008 – December, 2010

7. Development of techniques for storing and querying XML documents for the application of OLAP techniques
 - *Person in Charge:* Maria Jose Aramburu Cabo (aramburu@uji.es)
 - *Funded:* UJI- Bancaixa Foundation (P1B2004-30)
 - *Partners:* Jaume I University of Castellon.
 - *Duration:* December 1, 2005 – November 11, 2006

Participation in R&D Contracts with Companies

1. Development of a system to manage the agenda of the community police.
 - *Person in Charge:* Dolores María Llidó Escriva (dllido@uji.es)
 - *Funded:* City council of Castellon
 - *Partners:* Jaume I University of Castellon
 - *Duration:* December, 2009 – September, 2010

2. Research and Development of new services for the development platform Maat-G
 - *Person in Charge:* Rafael Berlanga Llavori (berlanga@uji.es)
 - *Funded:* MAATG-Knowledge S.L
 - *Partners:* Jaume I University
 - *Duration:* (5 contracts)
 - July 1, 2006 – November 30, 2006
 - December 1, 2006 – June 30, 2007
 - July 1, 2007 – July,1 2008
 - July 2, 2008 – June 30, 2009
 - July 1, 2009 – December 31, 2009

3. Generation, storage and management of data schemas in the environment G-DEVELOPER.
 - *Person in Charge:* Rafael Berlanga Llavori (berlanga@uji.es)
 - *Funded:* MAATG-Knowledge S.L
 - *Partners:* Jaume I University
 - *Duration:* December 1, 2005 – August 1, 2006

4. Research and Development of an application interface in Perl between the SGBD Oracle, DB2, SQL Server, MySQL, LDAP and the ASX-I architecture. (code 02I158.01/1).
 - *Person in Charge:* Rafael Berlanga Llavori (berlanga@uji.es)
 - *Funded:* Mundired Group
 - *Partners:* Jaume I University, University of Valencia
 - *Duration:* 2004

Participation in Networks of Excellence

1. Spanish Network of Excellence on Business Information and Application Integration
 - *Person in Charge:* Rafael Corchuelo (University of Sevilla)
 - *Funded:* TIN2008-04718-E. Spanish Ministry of Science and Innovation.
 - *Partners:* University of Zaragoza, University of Sevilla, Universitat Jaume I, etc.
 - *Duration:* April, 2009 – April, 2010

2. Spanish Network of Excellence on Data Management (REDBD)
 - *Person in Charge:* Belén Vela Sánchez (Universidad Rey Juan Carlos, Madrid)
 - *Funded:* TIN2008-04453-E/TIN. Spanish Ministry of Science and Innovation.
 - *Partners:* University of Zaragoza, University of País Vasco, Universitat Jaume I, University of Málaga, Universidad Rey Juan Carlos, etc.
 - *Duration:* March, 2009 – January, 2010

3. Spanish Network of Excellence on Semantic Web
 - *Person in Charge:* Asunción Gómez-Pérez
 - *Funded:* CICYT. Spanish Ministry of Education and Science.
 - *Partners:* Polytechnic University of Madrid, University of Zaragoza, University Rovira i Virgili, University of País Vasco, Universitat Jaume I, University of Málaga, etc.
 - *Duration:* September, 2006 – August, 2007

4. Spanish Network of Excellence on Databases (REDBD)
 - *Person in Charge:* José F. Aldana Montes (University of Málaga)
 - *Funded:* CICYT. Spanish Ministry of Education and Science.
 - *Partners:* University of Zaragoza, University of País Vasco, Universitat Jaume I, University of Málaga, Universidad Rey Juan Carlos, etc.
 - *Duration:* September, 2006 – August, 2008

Research Stays in Foreign Institutions

1. Oxford University (Computing Laboratory, Knowledge Representation and Reasoning)
 - *Supervisor:* Bernardo Cuenca-Grau, Ian Horrocks (berg,horrocks}@comlab.ox.ac.uk)
 - *Duration:* September 15 – December 15, 2009
 - *Locality:* Oxford. *Country:* United Kingdom
 - *Funded:* FPI Doctoral Grant Mobility, Valencian Autonomous Government
 - *Tasks* Design and Implementation of a well founded framework to integrate ontologies

2. Oxford University (Computing Laboratory, Knowledge Representation and Reasoning)
 - *Supervisor:* Bernardo Cuenca-Grau, Ian Horrocks (berg,horrocks}@comlab.ox.ac.uk)
 - *Duration:* July 16 – December 16, 2008
 - *Locality:* Oxford. *Country:* United Kingdom
 - *Funded:* FPI Doctoral Grant Mobility, Valencian Autonomous Government
 - *Tasks* Design and Implementation of logic-based framework to develop ontologies collaboratively.

3. University of Manchester (Information Management Group)
 - *Supervisor:* Ulrike Sattler and Bernardo Cuenca-Grau ({sattler, bcg}@cs.man.ac.uk)
 - *Duration:* September 19– December 20, 2007
 - *Locality:* Manchester. *Country:* United Kingdom
 - *Funded:* Jaume I University, PDI mobility
 - *Tasks:* Design and Implementation of a system, based on a well founded framework, to reuse ontologies in a modular and a safe way

4. EMBL-EBI: European Bioinformatics Institute (Text Mining Rebholz Group)
 - *Supervisor:* Dietrich Rebholz-Schuhmann (rebholz@ebi.ac.uk) and Antonio Jimeno-Yepes (yepes@ebi.ac.uk)
 - *Duration:* April 1– June 30, 2007
 - *Locality:* Cambridge. *Country:* United Kingdom
 - *Funded:* Temporal Knowledge Bases Group internal project
 - *Tasks:* Annotation of biomedical texts using knowledge taxonomies and ontologies. Design of an initial framework to semi-automatic population of specific domain ontologies.

5. University of Concepcion, Computer Science Department
 - *Supervisor:* Andrea Rodriguez (andrea@udec.cl)
 - *Duration:* September 11– December 10, 2005
 - *Locality:* Concepcion. *Country:* Chile
 - *Funded:* EDIGI.LA II: Network for GI Science Education - Latin-America II
 - *Tasks:* Retrieval of XML documents by means of structure matching and instance matching, applying Information Retrieval techniques.

Fellowships

1. FPI Doctoral Grant, Valencian Autonomous Government (2+2 years)
 - FPI Generalitat Valenciana BFPI06/372.
 - *Normativa de la Convocatoria:* ORDEN de 13 de julio de 2005, DOGV nº 5063 (3 Agosto de 2005), pág. 26707-26722
 - *Normativa de Adjudicación:* RESOLUCIÓN de 22 de mayo de 2006, DOGV nº 5280 (14 Junio de 2006); pág. 21736-21738
 - *Supervisor:* Rafael Berlanga llavori (berlanga@uji.es)
 - *Organization:* Department of Computer Systems and Languages, University Jaume I
 - *Duration:* June 1, 2006 - May 31, 2010, full-time work.

2. Jaume I University Research Grant
 - *Organization:* Department of Computer Systems and Languages, University Jaume I
 - *Person in Charge:* Maria José Aramburu Cabo (aramburu@uji.es), Temporal Knowledge Bases Group
 - *Tasks:* Study of techniques for the clustering and retrieval of XML documents. Design of a Collaborative Ontology Development Environment.
 - *Project:* Development of techniques for storing and querying XML documents for the application of OLAP techniques
 - *Duration:* January 15 - May 15, 2006, full-time work.

3. EDUGI.LA II Research Grant

- *Organization:* University of Concepcion (Chile)
 - *Person in Charge:* Andrea Rodriguez (andrea@udec.cl), Michael Gould (gould@uji.es)
 - *Tasks:* Retrieval of XML documents by means of structure matching and instance matching, applying Information Retrieval techniques
 - *Project:* EDIGI.LA II: Network for GI Science Education - Latin-America II
 - *Duration:* September 10 – December 10, 2005, full-time work.
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4. PhD Assistant Grant

- *Organization:* Department of Computer Systems and Languages, University Jaume I
 - *Person in Charge:* Rafael Berlanga Llavori (berlanga@uji.es), Temporal Knowledge Bases Group
 - *Tasks:* Technological research of the Semantic Web, the Semantic Grid and the Semantic Peer-to-Peer Networks.
 - *Duration:* May 1, 2005 – September 10, 2005, part-time work
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5. Jaume I University Research Grant

- *Organization:* Department of Computer Systems and Languages, University Jaume I
 - *Person in Charge:* Rafael Berlanga Llavori (berlanga@uji.es), Temporal Knowledge Bases Group
 - *Tasks:* Integration between the ontology (frame-based) editor Protégé 2000 and the semi-structured database G (release version). Technological research of the Semantic Web, the Semantic Grid and the Semantic Peer-to-Peer Networks.
 - *Project:* Research and Development of an application interface in Perl between the SGBD Oracle, DB2, SQL Server, MySQL, LDAP and the ASX-I architecture
 - *Duration:* November 1, 2004 – April 30, 2005, full-time work
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5. Assistant Grant (Student), Ministry of Education and Science

- *Organization:* Department of Computer Systems and Languages, University Jaume I
 - *Person in Charge:* Rafael Berlanga Llavori (berlanga@uji.es), Temporal Knowledge Bases Group
 - *Tasks:* Integration between the ontology (frame-based) editor Protégé 2000 and the semi-structured database G (beta version).
 - *Duration:* November 1, 2003 – May 31, 2004, part-time work
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7. IAC Summer Technological Development Grant

- *Organization:* Institute of Astrophysics of the Canary Islands
 - *Person in Charge:* Luís Fernando Rodríguez Ramos (Irr@ll.iac.es)
 - *Tasks:* Design and Development of a Digital Audiometer with an extended frequency range (25 Hz – 20 KHz)
 - *Project:* Creation of a Virtual Acoustic Space in blind people (EAV)
 - *Duration:* July 1 – September 30, 2003, full-time work.
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3. Degree Training

- *Organization:* BP Oil Refinery of Castellon.
- *Person in Charge:* Rafael Pérez, Mari Carmen Herrero
- *Tasks:* Design and Development of a project for the automation of Excel books and Access databases.
- *Duration:* May - September 2002, part-time work (500 hours)

Publications

Journals:

E. Jimenez-Ruiz, B. Cuenca Grau, I. Horrocks, R. Berlanga. "Supporting Concurrent Ontology Development: Framework, Algorithms and Tool". Being reviewed in Data & Knowledge Engineering Journal.

E. Jimenez-Ruiz, B. Cuenca Grau, I. Horrocks, R. Berlanga. "Logic-based Assessment of the Compatibility of UMLS Ontology Sources". Accepted for publication in BMC Journal of Biomedical Semantics.

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". Special Issue on Bioinformatics Methods for Biomedical Complex Systems Applications. BMC Bioinformatics 2009 (Impact Factor 3.78), 10(Suppl 12):S7, ISSN 1471-2105, doi:10.1186/1471-2105-10-S12-S7. October 2009.

A. Jimeno-Yepes, E. Jimenez-Ruiz, R. Berlanga-Llavori, D. Rebholz-Schuhmann. "Reuse of terminological resources for efficient ontological engineering in Life Sciences". Special Issue on Semantic Web Applications and Tools for Life Sciences. BMC Bioinformatics 2009 (Impact Factor 3.78), 10(Suppl 10):S4, ISSN 1471-2105, doi:10.1186/1471-2105-10-S10-S4. October 2009.

A. Jimeno-Yepes, E. Jimenez-Ruiz, V. Lee, S. Gaudan, R. Berlanga, D. Rebholz-Schuhmann: Assessment of diseases named entity recognition on a corpus of annotated sentences. Presented in International Symposium on Languages in Biology and Medicine (LBM), December 2007. Published in BMC Bioinformatics 2008 (Impact Factor 3.78), 9(Suppl 3):S3, doi:10.1186/1471-2105-9-S3-S3. April 2008

R. Berlanga, E. Jiménez-Ruiz, V. Nebot and I. Sanz. "FAETON: Form Analysis and Extraction Tool for ONtology construction". In International Journal of Computer Applications in Technology (IJCAT). In press. Extended version of a workshop paper presented in the XIII Spanish Conference on Software Engineering and Databases, 2008.

Lecture Notes (LNCS and LNBIP) Papers

E. Jimenez-Ruiz, B. Cuenca Grau, I. Horrocks, R. Berlanga. "Ontology Integration Using Mappings: Towards Getting the Right Logical Consequences." In the 6th European Semantic Web Conference (ESWC 2009), Crete, Greece, June 2009. LNCS 5554, ISBN 978-3-642-02120-6, pp. 173-187. A Demo paper has also been accepted in:

- The 14th edition of the Spanish Conference on Software Engineering and Databases (JISBD 2009), San Sebastian, Spain. "Logic-based Ontology Integration using ContentMap". ISBN: 978-84-692-4211-7, pp. 316-319. September 2009

A. Duque, C. Campos, E. Jiménez-Ruiz and R. Chalmeta ." An Ontological Solution to Support Interoperability in the Textile Industry". Proc. of the Second IFIP WG 5.8 International Workshop, IWEI 2009, Valencia, Spain, October 13-14, 2009. LNBIP 38. Enterprise Interoperability. ISBN 978-3-642-04749-7, pp. 38-51

E. Jimenez-Ruiz, B. Cuenca-Grau, U. Sattler, T. Schneider and R. Berlanga. "Safe and Economic Re-Use of Ontologies: A Logic-Based Methodology and Tool Support". Accepted for publication in the European Semantic Web Conference (ESWC 2008), Tenerife, Spain, June 2008. LNCS. Adapted versions have also been accepted/submitted in:

- The OWL Experiences and Directions Workshop (OWLED2008). Washington D.C., April 2008

- The 21st International Workshop on Description Logics (DL2008). Dresden, Germany, May 2008
- ProSÉ: A Protégé plugin for Reusing Ontologies, Safe and Économique. Proposed Demo Paper for the 13th edition of the Spanish Conference on Software Engineering and Databases (JISBD 2008). [Submitted]

R. Berlanga, H. Anaya-Sánchez, A. Pons-Porrata, E. Jiménez-Ruiz. Conceptual Subtopic Identification in the Medical Domain. In the 11th Ibero-American Conference on Artificial Intelligence (IBERAMIA 2008). LNCS 5290, pp. 312-321.

E. Jimenez-Ruiz, R. Berlanga, V. Nebot, I. Sanz,: "OntoPath: A Language for Retrieving Ontology Fragments" In 6th International Conference on Ontologies, DataBases, and Applications of Semantics (ODBASE) 2007. OTM 2007 Conferences and Workshops, Robert Meersman et. al, LNCS 4803, pp. 897-914.

E. Jimenez-Ruiz, R. Berlanga, I. Sanz, R. McClatchey, R. Danger, D. Manset, J. Paraire, A. Rios: "The Management and Integration of Biomedical Knowledge: Application in the Health-e-Child Project (Position Paper)". In On the Move to Meaningful Internet Systems 2006: OTM 2006 Workshops, Robert Meersman et. al, LNCS 4278, ISBN 3-540-48273-3 (OnToContent Workshop 2006), pp. 1062-1067

Book Chapters:

M. Mesiti, E. Jimenez-Ruiz, I. Sanz, R. Berlanga, G. Valentini, P. Perlasca and D. Manset. "Data Integration Issues and Opportunities in Biological XML Data Management". Book Chapter in "Open and Novel Issues in XML Database Applications: Future Directions and Advanced Technologies.", edited by Eric Pardede. Publisher IGI.

I. Sanz and E. Jimenez-Ruiz. "Ontologías en Informática". En A. Alcina, E. Valero y E. Rambla (eds.): Terminología y Sociedad del conocimiento, Peter Lang, Berna, 255-286. ISBN: 978-3-03911-593-8.

E. Jiménez, R. Berlanga, I. Sanz, M. J. Aramburu, R. Danger: "OntoPathView: A Simple View Definition Language for the Collaborative Development of Ontologies". In B. López et al. (Eds.): Artificial Intelligence Research and Development, pp. 429-436. IOS Press, 2005. ISBN 1-58603-560-6 (Proceedings VIII Congreso Catalán de Inteligencia Artificial – CCIA'2005, L'Alguer, Cerdeña).

Conference and Workshop Papers:

E. Jimenez-Ruiz, B. Cuenca Grau, R. Berlanga, I. Horrocks. "Towards a Logic-based Assessment of the compatibility of UMLS sources". Proceedings of the 2nd International Workshop on Semantic Web Applications and Tools for Life Sciences (SWAT4LS2009). Amsterdam, The Netherlands, November 2009. Volume 559 of CEUR WS Proceedings, ISSN 1613-0073.

E. Jimenez-Ruiz, B. Cuenca Grau, I. Horrocks, R. Berlanga. "ContentCVS: A CVS-based Collaborative ONTology ENgineering Tool (Demo)". Proceedings of the 2nd International Workshop on Semantic Web Applications and Tools for Life Sciences (SWAT4LS2009). Amsterdam, The Netherlands, November 2009. Volume 559 of CEUR WS Proceedings, ISSN 1613-0073.

E. Jimenez-Ruiz, B. Cuenca Grau, I. Horrocks, R. Berlanga. "Building Ontologies Collaboratively using ContentCVS". Proceedings of the 22nd International Workshop on Description Logics (DL2009). Oxford, UK, July 2009. Volume 477 of CEUR WS Proceedings, ISSN 1613-0073.

A. Jimeno-Yepes, E. Jimenez-Ruiz, R.Berlanga, D. Rebholz-Schuhmann: Use of shared lexical resources for efficient ontological engineering. Accepted in Semantic Web Applications and Tools for Life Sciences (SWAT4LS), November 2008. Volume 435 of CEUR WS Proceedings, ISSN 1613-0073.

R. Berlanga, E. Jimenez-Ruiz, V. Nebot, D. Manset, A. Branson, T. Hauer, R. McClatchey, D. Rogulin, J. Shamdasani, S. Zillner and J. Freund. "Medical Data Integration and the Semantic Annotation of Medical Protocols". Accepted for publication in the 21th IEEE International Symposium on Computer-Based Medical Systems (CBMS 2008), Jyväskylä, Finland, 2008.

E. Jiménez-Ruiz, V. Nebot, R. Berlanga, I. Sanz, Alfonso Rios. "A Protege Plug-in-based System to Manage and Query large Domain Ontologies". 10th International Protégé Conference, July 15-18, 2007, Budapest, Hungary

E. Jiménez-Ruiz, R. Berlanga, I. Sanz, and R. Danger: A Methodology for Vertical Integration over Biomedical Knowledge. In JIDBD'06, XI Spanish Conference on Software Engineering and Databases, ISBN 84-95999-99-4, Barcelona, Spain, October 2006.

E. Jiménez-Ruiz, R. Berlanga: "A View-based Methodology for Collaborative Ontology Engineering: an Approach for Complex Applications (VIMethCOE)". In Proceedings of 15th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises (WETICE 2006). ISBN 0-7695-2623-3. Selected "best workshop paper", based on reviews, in the 1st International Workshop on Semantic Technologies in Collaborative Applications (STICA), June 2006, Manchester (United Kingdom).

T. Riechert, E. Jiménez Ruiz, I. Cantador, M. Engler, D. Michaelides, M. Bortenschläguer, R. Tolksdorf. "Working Group Report on Semantic Tecnologies in Collaborative Applications" In Proceedings of 15th IEEE International Workshops WETICE 2006. ISBN 978-0-7695-2623-2. June 2006, Manchester (United Kingdom)

R. Berlanga, M. J. Aramburu, D. M. Llidó, I. Sanz, J. M. Pérez, R. Danger, J. Paraire, E. Jiménez: "CRISOL Generación automática de instancias ontológicas desde fuentes de datos semi-estructuradas". JITEL 2005, pp. 225-226. ISBN:84-8408-346-2

E. Jiménez, R. Marín, P. J. Sanz. "A Soft Computing Classifier Based On Fourier Descriptors Within Online Robots Context". International Conference On Systems, Man And Cybernetics – IEEE SMC 2004. The Hague, The Netherlands, October 2004. ISBN 0-7803-8567-5, pp. 4838-4843

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Language Skills

Mother tongue: Spanish

Language	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	Spoken production	
English (1)(2)	B2	C2	B2	B2	C1
Catalan (4)	C2	C2	C1	B2	C1

(1) Advance Level Certification. Spanish Official School of Languages - 2010

(2) B2 Upper Intermediate Course. University of Castellon (70 hours) 2010.

(3) Middle level of Catalan knowledge. University of Castellon (80 hours).

Teaching Skills

- Assistant Lecturer Jaume I University of Castellon:
 - 2009-2010:
 - o Client-Server Systems - IG39, II39, IS39 - Computer Science- 90 hours
 - 2008-2009:
 - o Client-Server Systems - IG39, II39, IS39 - Computer Science- 30 hours
 - o Computer programs for business administration - A25 – 30 hours
- University Teacher Training Program (January 2009 – May 2010, 200 hours)
- *Secondary Teacher Training Course:* Specialty in Computing and Statistics. Jaume I University (November 2004 - March 2005, 200 hours).
- Worked as a *private tutor* of maths, physics and computing for students of secondary education.

Programming Skills

- *Programming Languages:*
 - Advanced: Java (Development Environment: J2SE and Eclipse), Python, Basic (Development Environment: Visual Basic 6.0)
 - Intermediate: C, C++, Matlab, Mathematica.
 - Basic notions: Fortran, VHDL, PL/SQL, Prolog, LISP, Parallel Programming (OpenMP, MPI)
- *Semantic Web Skills*
 - Languages: XML, RDF/S, OWL
 - Ontology Editors: Protégé, SWOOP
- *Database Systems (user):* G Semi-structured Data Base, MS Access, Oracle 8i, MySQL
- *Web Programming Languages:* PHP, JavaScript (basic notions).
- *CASE Tools:* Rational Rose Enterprise 2000, Silverrun
- *Statistics Software:* R

Prizes and Distinctions

Third position in the local phase of the XXXV Mathematical Olympiad (Jaume I University District) and participation in the national phase in Granada (Spain), March 1999.