

# Sergio Fernández

---

C/ Marqués de Casa Valdés, 17  
33202 Gijón  
Asturias, Spain

phone: (+34) 667 98 19 19  
email: [sergio@wikier.org](mailto:sergio@wikier.org)  
web: <http://www.wikier.org/>

## Personal information

Born: October 7th, 1981  
Nationality: Spanish  
Marital status: single

## Education

MSc on Web Engineering University of Oviedo, 2010 (expected)  
My degree dissertation is about the gap between the semantics of RDF and the object-oriented languages, planning to present it on July. This master degree dissertation would be equivalent to the Master of Advanced Studies on the new European Higher Education Area.

Master Course in Innovation Management and University of Oviedo, 2007  
Business Development

BSc on Computer Science University of Oviedo, 2006  
Degree dissertation: *SWAML, Semantic Web Archive of Mailing Lists*

## Languages

Spanish (mother tongue).

English (working knowledge), examined by Cambridge (*First Certificate*) and by Official School of Languages of Spain (Intermediate Level).

## Employment history

Research Assistant Jan 2006 - present  
R&D department, CTIC Foundation Gijón, Spain  
Participation in several research projects about semantics and accessibility.

Visitor Researcher Feb 2008 - Apr 2008  
DERI NUI Galway Galway, Ireland  
Cooperation researching in the SIOC project.

GNU/Linux trainer Nov 2005 - Dec 2005  
Gestione S.L. Gijón, Spain  
Training specialist in GNU/Linux operating system.

IT Chief Officer Sep 2003 - present  
Autoprin S.A.U. Gijón, Spain  
System and network administrator.

IT Collaboration fellowship Oct 2001 - Jun 2002  
Petrology department, University of Oviedo Oviedo, Spain  
System and network administrator.

Science teacher  
Freelance  
Teacher of science subjects to secondary education students.

Feb 2000 - Jun 2005  
Oviedo, Spain

### Technical skills

Experience on team working and project management (XP, Scrum).

Software design using UML and design patterns. Development using agile methodologies (XP, Scrum).

Practical research skills, and writing of consortial proposals.

Working knowledge (at a professional level) of programming languages (Java/JavaEE, Python, C#, C/C++, PHP, Javascript, ObjectPascal/Delphi), user interfaces (GTK, XUL, WinForms, WPF, Web, RIA), IDEs (Eclipse, VisualStudio, NetBeans) and collaborative and social tools (CVS/Subversion/Mercurial/Git wikis, bugtrackers).

XML technologies such as XSL, XSLT, XPath, DOM, XQuery.

Web development (HTML/XHTML, CSS, SVG). Web accessibility.

Semantic web technologies (RDF, SPARQL, RDFS, OWL), tools and libraries (RDFLib, librdf, Jena, RAP, ARC2).

Technical documentation with DocBook and L<sup>A</sup>T<sub>E</sub>X.

UNIX-Linux and Windows system administration over TCP/IP networks. Experience with many DBMS.

Expert in free software licenses and copyright/copyleft. Medium knowledge of Spanish computer laws.

### Other qualifications

Driving license, 1999.

CCNA (*Cisco Certified Network Associated*), 2006.

*The document preparation system L<sup>A</sup>T<sub>E</sub>X*, University of Oviedo, 2003.

*XSLT, Extensible Stylesheet Language Transformations*, CTIC Foundation, 2006.

### Relevant projects

Some relevant public (funded or hacking) projects in which I've been involved, sorted alphabetically:

Djubby, a Linked Data frontend for SPARQL endpoints for Django

EzWeb, open source mashup platform

ONTORULE, ONTOlogies meet bussiness RULEs

MyMobileWeb, framework for the rapid development of mobile web applications

Neologism, Easy RDFS Vovabulary Publishing

RDFohloh, a RDF wrapper of Ohloh

Semantic Web Radar, a semantic metadata detector for Mozilla Firefox

SIOC, Semantically-Interlinked Online Communities

SPARQL Wrapper, SPARQL Endpoint interface to Python

SpecGen, ontology specification generator tool

SWAML, Semantic Web Archive of Mailing Lists

Vapour, a Linked Data validator

Also I'm involved in some other FLOSS projects as contributor.

## Honors and Awards

SWAML, best project in Web category at the *first Free Software University Contest*, Seville, May 2007.

## Publications

### 2010

Sergio Fernández, Diego Berrueta, Miguel García Rodríguez, Jose E. Labra. TRIOO, Keeping the Semantics of Data Safe and Sound into Object-Oriented Software. In Proceedings of the 5th International Conference on Software and Data Technologies (ICSOF 2010), Athens, Greece, 22-24 July, 2010.

Carlos Tejo-Alonso, Sergio Fernández, Diego Berrueta, Luis Polo, María Jesús Fernández, and Victor Morlan. eZaragoza, a tourist promotional mashup. Submission to the AI Mashup Challenge 2010, co-located with the 7th Extended Semantic Web Conference (ESWC 2010), Heraklion, Greece, 30 May - 3 June, 2010.

Lian Shi, Diego Berrueta, Sergio Fernández, Luis Polo, Iván Mínguez, Emilio Rubiera and Silvino Fernández. GEEK: Analyzing Online Communities for Expertise Information. Chapter in Handbook of Research on Methods and Techniques for Studying Virtual Communities/on line communities: Paradigms and Phenomena, Ben Kei Daniel (ed.). Scheduled for publication in 2010 by IGI Global.

### 2009

Sergio Fernández, Diego Berrueta, Lian Shi, Jose E. Labra, Patricia Ordóñez de Pablos. Mailing Lists and Social Semantic Web. Chapter in Social Web Evolution: Integrating Semantic Applications and Web 2.0 Technologies, Miltiadis D. Lytras, Patricia Ordóñez de Pablos (eds.), part of the Advances in Semantic Web and Information Systems (ASWIS) book series. ISBN: 978-1-60566-272-5.

John Breslin, Uldis Bojars, Alexandre Passant, Sergio Fernández and Stefan Decker. SIOC: Content Exchange and Semantic Interoperability Between Social Networks. W3C Workshop on the Future of Social Networking, Barcelona, Spain, 15-16 January, 2009.

### 2008

Lian Shi, Diego Berrueta, Sergio Fernández, Luis Polo and Silvino Fernández. Smushing RDF instances: are Alice and Bob the same open source developer?. ISWC2008 workshop on Personal Identification and Collaborations: Knowledge Mediation and Extraction (PICKME 2008), Karlsruhe, Germany, October 27, 2008. To appear.

Sergio Fernández. RDFohloh, a RDF wrapper of Ohloh. ISWC2008 workshop on Social Data on the Web (SDoW2008), Karlsruhe, Germany, October 27, 2008. To appear.

Sergio Fernández, Diego Berrueta and José E. Labra. A semantic web approach to publish and consume mailing lists. International Journal on WWW/Internet, IADIS, ISSN 1645-7641, vol. 6, pages 90-102, June, 2008.

Cosmin Basca, Stéphane Corlosquet, Richard Cyganiak, Sergio Fernández and Thomas Schandl. *Neologism: Easy Vocabulary Publishing*. ESWC2008 Workshop Scripting for the Semantic Web (SFSW2008), Tenerife, Spain, June 2, 2008.

Diego Berrueta, Sergio Fernández and Iván Frade. *Cooking HTTP content negotiation with Vapour*. ESWC2008 Workshop Scripting for the Semantic Web (SFSW2008), Tenerife, Spain, June 2, 2008.

Diego Berrueta, Sergio Fernández and Lian Shi. *Bootstrapping the Semantic Web of Social Online Communities*. WWW2008 Workshop on Social Web Search and Mining (SWSM2008), Beijing, China, April 22, 2008.

## 2007

Diego Berrueta, Sergio Fernández, Ignacio Marín, José M. Cantera, Mario Arias, Juan J. Hierro, Miguel Jiménez, Javier Soriano. *Aplicación de las tecnologías de la Web Semántica a la problemática de cumplimiento automática de formularios en la Web Móvil*. Proceedings of workshop on MWeb'07, Zaragoza, Spain, September 12, 2007.

John Breslin, Uldis Bojars, et al. *SIOC Core Ontology Specification*. June 12, 2007.

Sergio Fernández, Diego Berrueta and José E. Labra. *Mailing lists meet the Semantic Web*. Proceedings of workshop on Social Aspects of the Web (SAW 2007), ISBN 83-916842-4-2, pp. 45-52, Poznan, Poland, April 27, 2007.

## 2006

Sergio Fernández. SWAML, publicación de listas de correo en Web Semántica. Bachelor degree thesis, University of Oviedo, December, 2006.

### Teaching

Herramientas de nueva generación para la Gestión del Conocimiento      Master Course in Innovation Management, Feb 2010.

El Software Libre, fundamentos e impacto en la sociedad.      Extension courses, University of Oviedo, Apr 2009.

### Talks

El Software Libre como elemento catalizador de la innovación      IX Congreso Ciberciudadano, May 2010.

Acercando la Web de Datos a las Administraciones Públicas      W3C Day for the Public Administration, Tecnimap, Apr 2010.

Social Data on the Web      7th International Semantic Web Conference, Oct 2008.

RDFohloh, a RDF wrapper of Ohloh      SDoW2008, 7th International Semantic Web Conference, Oct 2008.

Neologism: Easy Vocabulary Publishing      SFSW2008, 5th European Semantic Web Conference, Tenerife, Jun 2008

Cooking HTTP content negotiation with Vapour      SFSW2008, 5th European Semantic Web Conference, Tenerife, Jun 2008

Bootstrapping the Semantic Web of Social Online Communities      DERI NUI Galway, Apr 2008

Projects free development      University of Oviedo, Oct 2007

SWAML, Semantic Web Archives of Mailing Lists	Seville, May 2007
SVN workshop	University of Oviedo, Jan 2007
Free Software introduction	Gijón, Feb 2006
Debian GNU/Linux install party	University of Oviedo, May 2005
Free Software and entrepreneurs	5th Free Software conference in Asturias, Mar 2005
Free Software introduction	Gijón, Jul 2004

### Other skills

Member of the Morfeo board.

Member of the Free Software working group at INES, the Spanish Platform on Software and Services.

Member of the Linking Open Data W3C Community project.

Member of WESO (Semantic Web Oviedo) Research Group.

Board member of AsturLiNEX, asturian LUG (local Linux user group).

Broad experience in organizing events such as conferences and workshops.

Student representative at the Computer Science Department Board at the University of Oviedo for several years.

Founder member of AJUNA, youngster association of Navia.

### References

Dr. Antonio Campos

- R&D Director of CTIC Foundation
- Associate Professor at the Department of Computer Science of the University of Oviedo
- [antonio.campos@fundacionctic.org](mailto:antonio.campos@fundacionctic.org)

Dr. Jose E. Labra

- Associate Professor at the Department of Computer Science of the University of Oviedo
- Director of the Technical School on Computer Science Engineering of Oviedo
- Coordinator of WESO (Semantic Web Oviedo) Research Group
- [labra@uniovi.es](mailto:labra@uniovi.es)
- <http://www.di.uniovi.es/~labra>

Dr. John Breslin

- Lecturer in Electronic Engineering, NUI Galway
- Associate Researcher with DERI, NUI Galway
- [john.breslin@nuigalway.ie](mailto:john.breslin@nuigalway.ie)
- <http://www.johnbreslin.com/>

Last update: Jun 6th, 2010. Further information on my personal web page.