

# Sergio Fernández

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## Personal information

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

## Education

MSc in Computer Science	University of Oviedo, present
Master Course in Innovation Management and Business Development	University of Oviedo, 2007
BSc in Computer Science Degree dissertation: <i>SWAML, Semantic Web Archive of Mailing Lists</i>	University of Oviedo, 2006

## Languages

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

## Employment history

Junior Researcher R&D department, CTIC Foundation Participation in several research projects related to semantic web and accessibility.	Jan 2006 - present Gijón, Spain
Visitor Researcher DERI NUI Galway Cooperation researching in SIOC project.	Feb 2008 - Apr 2008 Galway, Ireland
GNU/Linux trainer Gestione S.L. Training specialist in GNU/Linux operating system.	Nov 2005 - Dec 2005 Gijón, Spain
IT Chief Officer Autoprin S.A.U. System and network administrator.	Sep 2003 - present Gijón, Spain
IT Collaboration fellowship Petrology department, University of Oviedo System and network administrator.	Oct 2001 - Jun 2002 Oviedo, Spain
Science teacher Freelance Teacher of science subjects to secondary education students.	Feb 2000 - Jun 2005 Oviedo, Spain

## Technical skills

Working knowledge (at a professional level) of programming languages (Java/J2EE, Python, C/C++, C#, PHP, ObjectPascal/Delphi, Javascript), user interfaces (GTK, XUL, WinForms), IDEs (Eclipse, VisualStudio) and collaborative tools (CVS/Subversion, wikis, bugtrackers).

XML technologies such as XSL, XPath, DOM.

Software design using UML and design patterns. Development using agile methodologies.

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

Semantic web languages (RDF, SPARQL, OWL), tools (Swoop, Pellet) and libraries (RDFLib, Jena, RAP).

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

SWAML (*Semantic Web Archive of Mailing Lists*), a research project around semantic web technologies to publish mailing lists in RDF. <http://swaml.berlios.de/>

SIOC (*Semantically-Interlinked Online Communities*) <http://sioc-project.org/>

Vapour, a Linked Data validator. <http://vapour.sourceforge.net/>

Neologism, Easy RDFS Vocabulary Publishing <http://neologism.derri.ie/>

SPARQL Wrapper, SPARQL Endpoint interface to Python. <http://sparql-wrapper.sourceforge.net/>

RDFohloh, a RDF wrapper of Ohloh. <http://rdfohloh.wikier.org/>

Involved in several free software projects.

## Honors and Awards

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

## Publications

### 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 cumplimentación 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.

## Talks

Neologism: Easy Vocabulary Publishing	Tenerife, June 2008
Cooking HTTP content negotiation with Vapour	Tenerife, June 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

### Other skills

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

Member of WESO (Semantic Web Oviedo) Research Group.

Broad experience in organizing events such as conferences and workshops.

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

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/>