

# Curriculum Vitae - Filip Radulovic

Madrid  
24. September 2015

**Date of birth:** 1986

**E-mail:** [filiprd@gmail.com](mailto:filiprd@gmail.com)

**Homepage:** <http://www.filip.milstan.net/>

---

## Professional interests

---

- Artificial intelligence
- Semantic web
- Linked data
- Software engineering
- Ontology engineering
- Software quality and measurement
- Multiple criteria decision making
- Decision support systems

---

## Education

---

**September 2011. – present:** PhD in Artificial Intelligence, Facultad de Informática, Universidad Politécnica de Madrid, Spain

**September 2010. – June 2011:** Master in Artificial Intelligence, Facultad de Informática, Universidad Politécnica de Madrid, Spain

**September 2005. – June 2010.:** Bachelor studies in Information Systems and Technologies, Faculty of Organizational Sciences, University of Belgrade

---

## Publications

---

### Journals:

Radulovic F., Poveda-Villalón M., Vila-Suero D., Rodríguez-Doncel V., García-Castro R., Gómez-Pérez A.: *Guidelines for Linked Data generation and publication: An example in building energy consumption*. Automation in Construction. Volume 57. September, 2015. pp. 178-187 [[pdf](#)]

Radulovic F., García-Castro R., Gómez-Pérez A.: *SemQuaRE - An extension of the SQuaRE quality model for the evaluation of semantic technologies*. Computer Standards & Interfaces. Volume 38. February, 2015. pp. 101-112 [[pdf](#)]

Jeremic, Z., Milikic, N., Jovanovic, J., Brkovic, M., Radulovic, F.: *Using Online Presence to Improve Online Collaborative Learning*. International Journal of Emerging Technologies in Learning. Volume 7. February, 2012 [[pdf](#)]

---

---

## Conferences:

Parkkila J., Hynninen T., Ikonen J., Porras J., Radulovic F.: *Towards Interoperability in Video Games*. In Proceedings of the 9<sup>th</sup> ACM SIGCHI Italian Chapter International Conference on Computer-Human Interaction (CHIItaly2015). Rome, Italy. September 2015

Radulovic F., García-Castro R., Gómez-Pérez A.: *Towards the Anonymisation of RDF Data*. In Proceedings of The 27<sup>th</sup> International Conference on Software Engineering and Knowledge Engineering (SEKE2015). Pittsburg, Philadelphia, USA. July 2015. pp. 646-651 [[pdf](#)]

Radulovic, F.: *A Recommendation Framework Based on the Analytic Network Process and its Application in the Semantic Technology Domain*. In Proceedings of The 15<sup>th</sup> Conference of the Spanish Association for Artificial Intelligence (CAEPIA2013), Doctoral Consortium. Madrid, Spain. September, 2013 [[pdf](#)]

Radulovic, F., García-Castro, R.: *An ANP Based Recommendation Framework with an Application in the Semantic Technology Domain*. In Proceedings of The 26<sup>th</sup> European Conference on Operational Research (EURO2013). Rome, Italy. July, 2013

Radulovic, F., Garcia-Castro, R.: *Semantic Technology Recommendation Based on The Analytic Network Process*. In Proceedings of The 24<sup>th</sup> International Conference on Software Engineering and Knowledge Engineering (SEKE2012). Redwood City, California, USA. July, 2012. pp. 611-616 🏆 (3rd Best Paper Award) [[pdf](#)]

Radulovic, F., Garcia-Castro, R.: *Extending Software Quality Models - A Sample In The Domain of Semantic Technologies*. In Proceedings of The 23<sup>rd</sup> International Conference on Software Engineering and Knowledge Engineering (SEKE2011). Miami, USA. July, 2011. pp. 25-30 [[pdf](#)]

Milikic, N., Radulovic, F., Devedzic, V.: *Infrastructure for Exchanging Online Presence Data in Learning Applications*. In Proceedings of The 20<sup>th</sup> International Electrotechnical and Computer Science Conference (IEEE ERK2011). Portoroz, Slovenia. September, 2011 [[pdf](#)]

Jeremic, Z., Milikic, N., Jovanovic, J., Radulovic, F., Brkovic, M., Devedzic, V.: *OP4L: Online Presence Enabled Personal Learning Environments*. In Proceedings of The 20<sup>th</sup> International Electrotechnical and Computer Science Conference (IEEE ERK2011). Portoroz, Slovenia. September, 2011 [[pdf](#)]

Jeremic, Z., Milikic, N., Jovanovic, J., Radulovic, F., Brkovic, M.: *Using Online Presence to Support Collaborative Learning in Personal Learning Environments: The OP4L Approach*. In Proceedings of The 2<sup>nd</sup> International Conference on e-Learning (eLearning-2011). Belgrade, Serbia. September, 2011 [[pdf](#)]

## Tutorials:

Radulovic, F., Poveda-Villalón, M., García-Castro, R.: *Linked Data Generation in the Energy Domain*. Sustainable Places 2014. Nice, France. October, 2014 [[ppt](#)]

---

---

## Workshops:

Poveda-Villalón, M., Radulovic F., García-Castro R.: *Developing Ontologies for Representing Data about Key Performance Indicators*. In Proceedings of The 2<sup>nd</sup> eBuilding Key Performance Indicators Workshop (KPIs). In conjunction with Sustainable Places 2014. Nice, France. October, 2014

Radulovic, F., Garcia-Castro, R.: *Towards A Quality Model For Semantic Technologies*. Software Quality Workshop. In Proceedings of The 2011 International Conference on Computational Sciences and Its Applications (ICCSA2011). Santander, Spain. June, 2011. pp. 244-256 [[pdf](#)]

Radulovic, F., Milikic, N.: *Smiley Ontology*. In Proceedings of The 1<sup>st</sup> International Workshop On Social Networks Interoperability (SNI 2009). In conjunction with The 4<sup>th</sup> Asian Semantic Web Conference 2009. Shanghai, China. December, 2009 [[pdf](#)]

## Technical reports:

Radulovic, F., García-Castro, R., Poveda-Villalón, M., Tsagakari, K.Z., Meskos, D., Birov, S., Weise, M., Euzenat, J.: *D4.3: Requirements and guidelines for energy data exploitation*. Technical report, READY4SmartCities Consortium, August 2015

Radulovic, F., García-Castro, R., Vila-Suero, D., Tryferdis, T., Tsagakari, K.Z., Meskos, D.: *D4.2: Requirements and guidelines for energy data publication*. Technical report, READY4SmartCities Consortium, January 2015 [[pdf](#)]

Radulovic, F., García-Castro, R., Poveda-Villalón, M., Weise, M., Tryferdis, T.: *D4.1: Requirements and guidelines for energy data generation*. Technical report, READY4SmartCities Consortium, May 2014 [[pdf](#)]

García-Castro, R., Poveda-Villalón, M., Radulovic, F., Gómez-Pérez, A., Euzenat, J., Luz, M.P., Vogt, G., Robinson, S., Birov, S., Fies, B.: *D3.1: Strategy for Energy Measurement and Interoperability*. Technical report, READY4SmartCities Consortium, January 2014 [[pdf](#)]

Luz, M.P., Euzenat, J., García-Castro, R., Poveda-Villalón, M., Radulovic, F., Weise, M.: *D2.1: Strategy for Energy Management System Interoperability*. Technical report, READY4SmartCities Consortium, January 2014 [[pdf](#)]

Tymaniuk, S., Garcia-Castro, R., Schneider, M., Radulovic, F.: *D10.5: Iterative Implementation of Services for the Automatic Evaluation of Ontology Engineering Tools*. Technical report, SEALS Consortium, June 2012

Radulovic, F., Garcia-Castro, R.: *D3.7: Identification of Semantic Technology Roadmaps*. Technical report, SEALS Consortium, May 2012

Radulovic, F., Garcia-Castro, R.: *D3.4: Requirements and Guidelines for the Identification of Semantic Technology Roadmaps*. Technical report, SEALS Consortium, May 2011

---

---

Schneider, M., Radulovic, F., Garcia-Castro, R., Tymaniuk, S.: *D10.4: Evaluation design and collection of test data for ontology engineering tools*. Technical report, SEALS Consortium, May 2011

---

### Working experience

---

**September 2010. – present:** Ontology Engineering Group, Department of Artificial Intelligence, Universidad Politecnica de Madrid (<http://www.oeg-upm.net/>)

**June 2010. – August 2010:** Internship within Indra Software Labs (<http://www.indracompany.com>) – software development and implementation in Flash

**September 2007. – June 2010:** Undergraduate Teaching Assistant (UTA) on the course of Principles of Programming (Java), Faculty of Organizational Sciences - engagement in performing exercises and organizing exams.

---

### Informal education and attended events

---

**June 2015:** Summer School on Smart Cities and Linked Open Data ([LD4SC-15](#)), as hands-on support. Cercedilla, Spain

**July 2011:** Summer School on Semantic Web ([SSSW2011](#)), as student. Cercedilla, Spain

**Mar 2010:** Certified NetBeans platform training at the University of Belgrade, [link](#)

**Dec 2009:** The first Linked Data Camp, Vienna, Austria

**Oct 2008:** Web of Data Practitioners Days, Vienna, Austria

**May 2008:** Workshop on Semantically-enabled e-learning, Belgrade, Serbia

---

### Engagement

---

**March 2008 - present:** member of the GOOD OLD AI research network (<http://goodoldai.org>)

---

### Skills

---

**Languages:** English, Spanish

**Professional Skills:** Java, C#; NetBeans Certified Associate; OWL, RDF  
basic knowledge: JavaScript, PHP

**IDE:** Eclipse, NetBeans, Macromedia Dreamweaver, Visual Studio

**Frameworks:** Jena - Semantic Web Framework, JenaBean;  
- little experience in Java 3D and Java media framework  
- Web related: Tapestry, Spring, Hibernate

**Personal skills:** team work, working under pressure, ambitious, responsible, quickly adoptive, organized, open minded

---

---

## Projects

---

**READY4SmartCities:** The [READY4SmartCities](#) is the [FP7](#) European project which intends to increase awareness and interoperability for the adoption of ICT and semantic technologies in energy system to obtain a reduction of energy consumption and CO2 emission at smart cities communities level through innovative relying on RTD and innovation outcomes and ICT-based solutions.

**Engagement:** I am responsible for developing guidelines on Linked Energy Data generation, publication, and exploitation.

**SEALS:** The [SEALS](#) Project (FP7) is developing a reference infrastructure known as the SEALS Platform to facilitate the formal evaluation of semantic technologies ().

**Engagement:** I was responsible for building a quality model for semantic technologies and for development of an application for visualization of evaluation results and of an application for recommendation of semantic technologies using MCDM.

**IntelLEO:** The [IntelLeo](#) is the [FP7](#) project that aims to explore supportive technologies for learning and knowledge building activities of learners in Intelligent Learning Extended Organisations.

**Engagement:** I was responsible for development of an ontological framework API to support the IntelLEO paradigm, and for development of software infrastructure to support online services for learning and knowledge building activities in an IntelLEO.

**OP4L:** Online Presence for Learning is SEE-ERA.NET PLUS funded project aimed at providing support for advanced, context-aware Learning Process Management (LPM) within Personal Learning Environments (PLEs) as the increasingly important new paradigm in online education. It will offer new ways of combining Social Web presence data and Semantic Web technologies to provide advanced support for managing online learning resources and processes within PLEs.

**Engagement:** I was responsible for the integration of the OPO server and using online presence data in the learning process.

**OPO Server:** The OPO Server project aimed at building the Online Presence Ontology server that will enable interchange of Online Presence data between different applications that can export them. It also includes building the OPO Data Repository with SPARQL Endpoint and RESTful services, and plugins and services for various applications that will enable their communication with OPO Server.

**Engagement:** I was one of project leaders and main architects and developers of the OPO server.

**Online Presence Ontology (OPO):** [OPO](#) is an ontology which aims to model the dynamic aspects of a user's presence online and to enable exchange of the Online Presence data.

**Engagement:** I was responsible for development of OPO Java library, using Jena and JenaBean framework, with functionalities of exporting online presence data in form of RDF, and of importing RDF data into the Java object model. I was also responsible for building the OPO plugin for [Spark](#) IM client.

**Smiley Ontology:** The main goal of [Smiley Ontology](#) is to enable capturing of the semantics of the emotions and emotional states of the user, that are widely spread across the web, and to enable the exchange of the smileys between different systems

---

---

**Engagement:** I was responsible for development of use cases and scenarios, for identification of applications and users needs in order to enable the semantic representation of the smiley, and for modeling the structure of the ontology and building OWL.

**Synesketch:** [Synesketch](#) is an artistic software library with synesthetic abilities. It is a Web's first free open-source textual emotion recognition and visualization engine – code that feels the words visually.

**Engagement:** I was responsible for development of a tool for color modeling, and for building a service for gathering statistical data about the words used in Synesketch word library.

---

### Grants and awards

---

- 2013 - present, FPU scholarship (Formación del Profesorado Universitario), The Ministry of Education Culture and Sport, The Government of Spain.
- 2012, 3<sup>rd</sup> Best Paper Award at [SEKE2012](#) conference
- 2009, Scholarship of the Young Talents Fund, The Government of Serbia
- 2008, FON's award for academic achievement (The award is given every year to FON's best students).
- 2007-2008, Scholarship of the Ministry of Education, the Government of Serbia

---

### Online courses

---

- Introduction to Artificial Intelligence by Peter Norvig and Sebastian Thrun, Stanford University ([now at Udacity](#))
- Introduction to guitar, Berklee College of Music, [link](#)
- Classical Mechanics by Walter Lewin, MIT, [link](#) (only following classes)

---

### Hobbies and other interests

---

- I am an amateur and self-taught flamenco guitar player. I also play cajón.
  - I dance Latin dances
  - I keep myself generally well-read and informed about latest achievements in various fields of sciences, especially physics and cosmology
  - I like poetry
  - I enjoy different kinds of sports – especially skiing and jogging - and I travel whenever I have the opportunity
-