



MSc. Maribel Acosta Deibe

PhD Student in IME Graduate School  
Institute of Applied Informatics and  
Formal Description Methods (AIFB)  
Karlsruhe Institute of Technology  
Karlsruhe, Germany

Work phone: +(49) 721 608 45776  
Mobile phone: +(49) 163 634 4737  
maribel.acosta@kit.edu

## Curriculum Vitae

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### PERSONAL INFORMATION

- Birth Date and Place: 21 March 1987, Caracas, Venezuela.
- Citizenship: Venezuelan and Spanish.
- Home page: [http://www.aifb.kit.edu/web/Maribel\\_Acosta](http://www.aifb.kit.edu/web/Maribel_Acosta)
- Title: PhD Student in the IME Graduate School, Institute AIFB, KIT.

### EDUCATION

- **November 2011 - Current**  
PhD. Student in the IME Graduate School.  
Insitute AIFB, KIT, Karlsruhe, Germany.  
Advisor: Prof. Dr. Rudi Studer.
- **September 2009 - 2012**  
M.Sc. Student in Computer Science.  
Universidad Simón Bolívar, Caracas, Venezuela.  
Advisor: Prof. Dr. María-Esther Vidal.  
*Graduated with Honors.*
- **September 2004 - June 2009**  
BS in Computer Engineering.  
Universidad Simón Bolívar, Caracas, Venezuela.  
Advisor: MSc. Ricardo González.  
*Cum laude.*

### RESEARCH AREAS

Semantic Web, Very Large Databases, Graph Databases, Human Computation.

### PUBLICATIONS

- Goncalves, M., Vidal, M.E., Castro, F., Vidal, L., and Acosta, M. Ranking and Clustering Techniques to Support an Efficient E-Democracy. *META4eS Workshop at with International Semantic Web Conference on Ontologies, Databases, and Applications of Semantics (OTM Conferences)*. 2012.
- Montoya, G., Vidal, M.E., and Acosta, M. A Heuristic-Based Approach for Planning Federated SPARQL Queries. *COLD Workshop at International Semantic Web Conference*. 2012.

- Montoya, G., Vidal, M.E., and Acosta, M. DEFENDER: A Decomposer for Queries against Federations of Endpoints. *Extended Semantic Web Conference*. Demo session. 2012.
- Simperl, E., Acosta, M., and Norton, B. A Semantically Enabled Architecture for Crowdsourced Linked Data Management. *CrowdSearch Workshop co-located with WWW*. 2012.
- Montoya, G., Vidal, M.E., and Acosta, M. DEFENDER: A Decomposer for Queries against Federations of Endpoints. *Extended Semantic Web Conference*. Demo session. 2012.
- Acosta, M., Vidal, M.E., Lampo, T., and Castillo, J., and Ruckhaus, E. ANAPSID: An Adaptive Query Processing Engine for SPARQL Endpoints. *International Semantic Web Conference*. 2011.
- Acosta, M., and Vidal, M.E. Evaluating Adaptive Query Processing Techniques for Federations of SPARQL Endpoints. *International Semantic Web Conference*. Demo session. 2011.
- Acosta, M., Goncalves M., and Vidal, M.E. Looking at CAREY: Controlling Climatological Regions in State of Emergency. *International Semantic Web Conference*. Demo session. 2011.
- Acosta, M., Goncalves M., and Vidal. CAREY: ClimAtological contRol of EmergencY regions. *SWWS Workshop at International Conference on Ontologies, Databases, and Applications of Semantics (OTM Conferences)*. 2011.
- Acosta, M., Vidal, M.E., Ruckhaus, E., Lampo, T., and Castillo, J. ANAPSID: An Adaptive Query Processing Engine for SPARQL Endpoints. *Extended Semantic Web Conference*. Poster session. 2011.
- González, R., and Acosta, M. Evaluating the Impact of Acknowledgment Strategies on Message Delivery Rate in Wireless Sensor Networks. *IEEE Latin American Conference on Communications (IEEE LATINCOM)*. 2010.
- González, R., and Acosta, M. Modeling Network Lifetime in a Wireless Sensor Network using VisualSense. *Ptolemy Miniconference, University of California, Berkeley*. 2009.

## TUTORIALS

- Simperl, E., Di Martini, G., and Acosta, M. Tutorial: Crowdsourcing for the Semantic Web. *Extended Semantic Web Conference*. 2013.
- Vidal, M.E., Ruckhaus, E., Acosta, M., and Basca, C. Tutorial: Semantic Data Management in Graph Databases. *Extended Semantic Web Conference*. 2013.
- Vidal, M.E., Ruckhaus, E., Acosta, M., Basca, C., and Montoya, G. Tutorial: Adaptive Semantic Data Management Techniques for Federations of Endpoints. *Extended Semantic Web Conference*. 2012.

## PROJECTS

- **Since May 2012.** EUCLID - Educational curriculum for the usage of Linked Data.
- **Since May 2012.** PlanetData - A European Network of Excellence on Large-Scale Data Management.
- **September 2009 - September 2011.** Modelo de Monitorización de Emi-

siones y Medición de Impactos por Contaminantes en Chimeneas. METOR.

- **January 2007 - April 2008.** Aplicaciones de Tecnologías a Redes Inalámbricas de Sensores en el Negocio de Petróleo y Gas. PDVSA AIT, 2007.

TEACHING  
EXPERIENCE

- **April 2012 - March 2013.** Tutor. *Collective Intelligence Seminar*. Karlsruhe Institute of Technology.
- **September 2009 - September 2011.** Teaching Assistant, Computer Science and Information Technology Department, Universidad Simón Bolívar.
- **2005.** Undergraduate T.A., Computer Science and Information Technology Department, Universidad Simón Bolívar.

PROFESSIONAL  
EXPERIENCE

- **January 2005 - June 2009.** Technology Support, Computer Coordination, Universidad Simón Bolívar.

HONORS

- 2nd Place Best Demo Paper Award. ESWC, 2012.
- Honor recognition in Master Thesis. Universidad Simón Bolívar, 2012.
- 1st Place in Computer Science, IEEE-INELECTRA Contest, 2009.
- Special Award, EUREKA-Universia Contest, 2009.
- Outstanding BS. Thesis Work. Universidad Simón Bolívar, 2009.

MEMBERSHIPS

- **Since 2009.** Alumni Association at Universidad Simón Bolívar.
- **2010-2011.** Semantic Web Group at Universidad Simón Bolívar.
- **2007-2009.** Computer Networks and Distributed and Parallel Systems Group at Universidad Simón Bolívar.

COURSES

- Attended 1st ESWC Summer School, 2011.
- Oracle DBMS: Workshop Administration I, Oracle University, 2010.

OTHER  
ACTIVITIES

- Reviewer of the Journal of Web Semantics.
- Reviewer of the RED Workshop 2012 and 2013.

TECHNICAL  
SKILLS

- Languages: Spanish and English.
- Programming: C/C++, Java, JavaScript, Perl, Prolog, Python, Haskell, NesC, HTML, PHP, JSP, JSF, shellscripts (bash, awk).
- Databases Management Systems: Oracle, PostgreSQL and MySQL Administration.
- Semantic Web Technologies: SPARQL, RDF, RDFS, SPARQL Endpoints (Virtuoso), RDF Triple Stores (RDF-3X, Jena TDB, Jena ARQ).
- Web Servers: Apache, Tomcat, Glassfish.
- Operating Systems: GNU/Linux, MacOS X and Windows {2000, XP, 7}.
- Software Development Methodologies: Rational Unified Process(RUP), Unified Modeling Language (UML), Extreme Programming (XP).