



## DEPARTMENT OF SOFTWARE ENGINEERING

Blekinge Tekniska Högskola  
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# Dr. Javier González Huerta

## Current Affiliation

**Organization:** Blekinge Tekniska Högskola  
**Department:** Department of Software Engineering, Faculty of Computing  
**Research Institution:** Software Engineering Research Lab (SERL) Sweden  
**Professional Category:** Assistant Professor / Universitetslektor (since April 2016)  
**Dedication:** Full time

## Research Interests and Areas of Expertise

- **Software Architectures:** Architectural Design and Documentation, Architectural Patterns, Architectural Variability Resolution.
- **Model-Driven Engineering:** Model Transformations in ATL and QVT, Model-to-Text Transformations, Consistency Checking, Metamodeling, Multimodels.
- **Quality Assurance:** Quality Assurance in Software Product Line Development, Quality-Driven Model Transformations.
- **Information System Development:** Business Process Modeling, Flexible Process Modeling.
- **Cloud Computing:** SaaS QoS Monitoring, Runtime Dynamic Reconfiguration of Cloud Service Architectures.
- **Empirical Software Engineering:** Design and execution empirical studies such as controlled experiments, quasi-experiments, case studies.

## Degrees

- **PhD in Computer Science**, Department of Information Systems and Computation, Universitat Politècnica de València, Spain (October 2011 - February 2014), *cum laude* (International PhD distinction).
- **MSc in Software Engineering, Formal Methods and Information Systems (90ECTS/2 years)**, Department of Information Systems and Computation, Universitat Politècnica de València, Spain (February 2010 - September 2011).
- **MEng in Computer Science (375ECTS/ 3 + 2 years)**, Computer Science School, Universitat Politècnica de València, Spain (September 2008 - February 2010).
- **BSc degree in Computer Systems Engineering (225ECTS / 3 years)**, Computer Science School, Universitat Politècnica de València, Spain (September 1994 - July 1998).

## Pedagogical Qualifications and Courses

- **Higher Education Pedagogy, Introductory course, 7.5 ECTS**  
Fall 2016, Blekinge Tekniska Högskola, Sweden
- **Higher Education Pedagogy, Project course, 7.5 ECTS**  
Spring 2017, Blekinge Tekniska Högskola, Sweden
- **Seminar Series in Teaching Portfolio**  
October – December 2017, Blekinge Tekniska Högskola, Sweden

## Languages

- English (fluent in reading, writing and speaking)  
[CEFR](#) Level Upper- Intermediate (B2) Certification (2013)
- Swedish (A2 - Beginner level)
- French (Lower-Intermediate level)
- Spanish (mother tongue)

## Previous Academic Positions

- **Postdoctoral Researcher:** Laboratory for Research on Technology for E-Commerce, Université du Québec à Montréal, Montreal, Canada (February 2015- March 2016).
- **Postdoctoral Researcher:** Department of Information Systems and Computation, Universitat Politècnica de València (March 2014-February 2015).
- **PhD candidate:** Department of Information Systems and Computation, Universitat Politècnica de València (2011- 2014).
- **Research Assistant:** Department of Information Systems and Computation, Universitat Politècnica de València (2009- 2011).

## Professional Experience

- **Head of the Development Department and Project Manager:** Enetic Proyectos, Valencia, Spain (2007-2008).
- **Head of the Development Department:** Consultora Informatica JAM, Valencia, Spain (2004-2007).
- **Head of the Research & Development Department :** ASCOMIL, S.L., Valencia, Spain (2000-2004).
- **Software Developer:** LEMS, S.L., Valencia, Spain (1998-2000).

## Publications

### **Refereed Journal Publications (7):**

1. Palma, F, Gonzalez -Huerta, J., Founi, M., Moha, N., Tremblay, G., Guéhéneuc, Y.G., 2017. Semantic Analysis of RESTful APIs for the Detection of Linguistic Patterns and Antipatterns, *International Journal of Cooperative Information Systems (IJCIS)*, 26, 2, June 2017, World Scientific, <http://dx.doi.org/10.1142/S0218843017420011> Impact Factor: 1.000 (JCR 2016).
2. Leshob, A., Mili, H., Gonzalez-Huerta, J., Boubaker, A. 2017. A value-oriented approach to business process specialization: principles, proof-of-concept, and validation, *Journal of Systems and Software*, Elsevier, 127, May 2017, 120–149, <http://dx.doi.org/10.1016/j.jss.2017.02.002>, Impact Factor: 2.444 (JCR 2016).
3. Zuñiga-Prieto, M., González-Huerta, J., Insfran, E., and Abrahão, S., 2016. Dynamic Reconfiguration of Cloud Application Architectures., *Software - Practice and Experience*. Accepted, Available online: <http://dx.doi.org/10.1002/spe.2457>, Impact Factor: 1.609 (JCR 2016).
4. Gonzalez-Huerta, J., Insfran, E., Abrahão, S., Scanniello, G., Validating a Model-Driven Software Architecture Evaluation Method for Software Product Lines: A Family of Experiments, *Information and Software Technology*, Vol 57, 405-429, Elsevier, <http://dx.doi.org/10.1016/j.infsof.2014.05.018>, Impact Factor 2.694 (JCR 2016).
5. Oliveira, R. P., Blanes, D., Gonzalez-Huerta, J., Insfran, E., Abrahão, S., Cohen, S., Almeida, E., Defining and Validating a Feature-Driven Requirements Engineering Approach, *Journal of Universal Computer Science*, Vol. 20, Issue 5, 666-691 Impact Factor 0.696 (JCR 2016), 2014.
6. Zuñiga, M., Cedillo, P., Gonzalez-Huerta, J., Insfran, E., Abrahao, S., Monitoring Services Quality in the Cloud, *Ercim News*, Vol 99, 19-20, October 2014.
7. Abrahão, S., Gonzalez-Huerta, J., Insfrán, E., Ramos, I., Software Evolution in Model-Driven Product Line Engineering, *Ercim News* 88, Special Theme: Evolving Software, January 2012.

### **Book Chapters (2):**

8. Mili, H., Benzarti, I., Meurs, M.-J., Obaid, A., Gonzalez-Huerta, J., Haj-Salem, N., Boubaker, A.: Context Aware Customer Experience Management: A Development Framework Based on Ontologies and Computational Intelligence. In: Pedrycz, W. and Chen, S.-M. (eds.) *Sentiment Analysis and Ontology Engineering*, pp. 273–311. Springer (2016).

9. Gonzalez-Huerta, J., Insfran, E., Abrahão, S.: Models in software architecture derivation and evaluation challenges and opportunities. In: Model-Driven Engineering and Software Development. pp. 12–31 (2014).

#### **Refereed International Conference Publications (17):**

10. Alégroth, E., Gonzalez-Huerta, J.: Towards a Mapping of Software Technical Debt onto Testware. *SEAA 2017 Euromicro Conference on Software Engineering and Advanced Applications*, Viena, Austria, 2017.
11. Poulding, S., Gonzalez-Huerta, J.: Analyzing the Impact of Differences in Academic Cultures on the Learning Experiences of Overseas Master's Students. *Lärlärdom Conference on Higher Education Pedagogy*, Karlshamn, Sweden, 2017.
12. Ickin, S., Petersen, K., Gonzalez-Huerta, J.: Why Do Users Install and Delete Apps? A Survey. *International Conference on Software Business*, Essen, Germany, 2017.
13. Gonzalez-Huerta, J., Boubaker, A., Mili, H.: A Business Process Re-Engineering Approach to Transform BPMN Models to Software Artifacts. *International Conference on E-Technologies MCETECH2017*, Ottawa, Canada (2017)
14. de Carvalho, R., Mili, H., Gonzalez-Huerta, J., Boubaker, A., Leshob, A., Comparing ConDec to CMMN: Towards a Common Language for Flexible Processes. *4th International Conference on Model-Driven Engineering and Software Development, MODESLWARD2016, Rome, Italy, 2016.*
15. Palma, F., Gonzalez-Huerta, J., Moha, N., Guéhéneuc, Y.G., and Tremblay G., Are RESTful APIs Well-designed? Detection of their Linguistic (Anti) Patterns, *13<sup>th</sup> International Conference on Service Oriented Computing (ICSOC2015)*, Goa, India, 2015.
16. Cedillo, P., Gonzalez-Huerta, J., Abrahão, S., Insfran, E., A Monitoring Infrastructure for the Quality Assessment of Cloud Services, *24<sup>nd</sup> International Conference on Information Systems Development (ISD 2015)*, Harbin, China, 2015.
17. Blanes, D., Gonzalez-Huerta, J., Insfran, E., A Tool for the Automatic Generation of Multimodel Editors, *ACM/IEEE 18th International Conference on Model Driven Engineering Languages and Systems (MODELS2015), Tool Demonstration Session*, Ottawa, Canada, 2015.
18. Blanes, D., Gonzalez-Huerta, J., Insfran, E., A Multimodel Approach for Specifying the Requirements Variability on Software Product Lines, *23<sup>rd</sup> International Conference on Information Systems Development (ISD 2014)*, Varaždin, Croacia, 2014.
19. Zuñiga-Prieto, M.A., Gonzalez-Huerta, J., Abrahão, S., Insfran, E., Framework for Dynamic Architecture Reconfiguration of Cloud Services, *ACM/IEEE 17th International Conference on Model Driven Engineering Languages and Systems (MODELS2014) Poster Session*, Valencia, Spain, 2014.
20. Botto, M., Gonzalez-Huerta, J., Insfran, E., Are Model-driven Techniques Used as a Means to Migrate SOA Applications to Cloud Computing? *10<sup>th</sup> International Conference on Web Information Systems and Technologies (WEBIST2014)*, Barcelona, Spain, 2014.
21. Gonzalez-Huerta, J., Insfran, E., Abrahão, S., Defining and Validating a Multimodel Approach for Product Architecture Derivation and Improvement, *ACM/IEEE 16th International Conference on Model Driven Engineering Languages and Systems (MODELS 2013)*, Miami, Florida – USA, 2013.
22. Gonzalez-Huerta, J., Insfran, E., Abrahão, S., McGregor J. D. Architecture Derivation in Product Line Development through Model Transformations, *22<sup>nd</sup> International Conference on Information Systems Development (ISD 2013)*, Model-Driven Engineering in ISD Track, Seville, Spain 2013.
23. Oliveira, R. P., Insfran, E., Abrahão, S., Gonzalez-Huerta, J., Blanes, D., Cohen, S., Almeida, E. S. A Feature-Driven Requirements Engineering Approach for Software Product Lines, *7<sup>th</sup> Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS 2013)*, Brasilia, Brazil, 2013. [*3<sup>rd</sup> Best Paper Award*].
24. Insfran, E., Abrahão, S., Gonzalez-Huerta, J., McGregor, J. D., Ramos, I. A. Multimodeling Approach for Quality-Driven Architecture Derivation, *21<sup>st</sup>*

*International Conference on Information Systems Development (ISD 2012), Model-Driven Engineering in ISD Track, Prato, Italy, 2012.*

25. Gonzalez-Huerta, J., Insfran, E., Abrahão, S., A Multimodel for Integrating Quality Assessment in Model-Driven Engineering, *8th International Conference on the Quality of Information and Communications Technology (QUATIC 2012)*, Thematic Track on Quality in Model-Driven Engineering, Lisbon, Portugal, 2012.
26. Insfran, E., Gonzalez-Huerta, J., Abrahão, S., Design Guidelines for the Development of Quality-Driven Model Transformations, *ACM/IEEE 13th International Conference on Model-Driven Engineering Languages and Systems (MoDELS 2010)*, Oslo, Norway, 2010.
27. Gonzalez-Huerta, J., Blanes, D., Insfran, E., Abrahão, S., Towards an Architecture for Ensuring Product Quality in Model-Driven Software Development, *11<sup>th</sup> International Conference on Product Focused Software Development and Process Improvement (PROFES 2010)*, Limerick, Ireland, 2010.

#### **Refereed International Workshop Publications (6):**

28. de Carvalho, Renata M., Hafedh Mili, Anis Boubaker, Gonzalez-Huerta, and Simon Ringuette On the Analysis of CMMN Expressiveness: Revisiting Workflow Patterns, *20<sup>th</sup> IEEE International Enterprise Distributed Object Computing Workshops (EDOCW)*, Vienna, Austria, 2016.
29. Gonzalez-Huerta, J., Abrahão, S., Insfran, E., Automatic Derivation of AADL Product Architectures in Software Product Line Development, *1st International Workshop on Architecture Centric Virtual Integration (ACVI2014) Collocated with MODELS 2014*, Valencia, Spain, 2014.
30. Cedillo, P., Gonzalez-Huerta, J., Abrahão, S., Insfran, E., Towards Monitoring Cloud Services Using Models@run.time, *9th International Workshop on Models@run.time (MRT2014) collocated with MODELS2014*, Valencia, Spain, 2014.
31. Zuñiga-Prieto, M.A., Gonzalez-Huerta, J., Abrahão, S., Insfran, E.: Towards a Model-Driven Dynamic Architecture Reconfiguration Process for Cloud Services Integration, *6th International Workshop on Models and Evolution (ME2014) collocated with MODELS2014*, Valencia, Spain, 2014.
32. Gonzalez-Huerta, J., Insfran, E., Abrahão, S., McGregor, J. D, Non-Functional Requirements in Model-Driven Software Product Line Development Engineering, *4<sup>th</sup> International Workshop on Non-functional System Properties in Domain Specific Modeling Languages (NFSP-DSML 2012)*, co-located with MODELS 2012, Innsbruck, Austria, 2012.
33. Gonzalez-Huerta, J., Insfran, E., Abrahão, S. Defining an Architecture for Quality-Driven Model Transformations, *1<sup>st</sup> International Master Class on Model-Driven Engineering*, in conjunction with MODELS 2010, Oslo, Norway, 2010.

#### **Refereed National Conference Publications (2):**

34. Gonzalez-Huerta J., Abrahão S., Insfran E. On the Effectiveness, Efficiency and Perceived Utility of Architecture Evaluation Methods: A Replication Study, *18<sup>th</sup> Spanish Conference on Software Engineering and Databases (JISBD 2013)*, Madrid, 18-20 Sept. 2013.
35. Gonzalez-Huerta J., Abrahão S., Insfran E. Un enfoque Multi-modelo para la Introducción de Atributos de Calidad en el Desarrollo de Líneas de Producto Software, *16<sup>th</sup> Spanish Conference on Software Engineering and Databases (JISBD 2011)*, A Coruña, 5-7 Sept. 2011.

#### **Refereed National Workshop Publications (1):**

Gonzalez-Huerta J., Abrahão S., Insfran E., Automatización de la Selección de Transformaciones Alternativas Basada en Atributos de Calidad (in Spanish), *VII Taller sobre Desarrollo de Software Dirigido por Modelos (DSDM'10) collocated with JISBD2010*, Valencia, Spain, 2010.

## Teaching Experience

**Assistant Professor / Universitetslektor**, Department of Software Engineering (DIPT), Blekinge Institute of Technology, Karlskrona, Sweden (April 2016- )

- **Teacher, Course responsible and Examiner on the courses:**
  - **Software Architectures and Quality, 7.5 ECTS (Autumn 2017):**  
*MSc Programme in Software Engineering*  
Software Architecture Design and Documentation, Software Architecture Evaluations.
  - **Software Architectures and Quality, 6 ECTS (Autumn 2016 & 2017): 5 years integrated program (Civilingenjör) in Video Games and Software Engineering**  
Software Architecture Design and Documentation, Software Architecture Evaluations.
  - **Software Intensive Product Development, 15ECTS (Autumn 2016): 5 years integrated program (Civilingenjör) in Industrial Economy specialisation in Software Engineering**  
Software Engineering Development Methodologies, Software vs Systems Engineering, Agile Methodologies.
- **Teacher on the courses:**
  - **Software Engineering, 6 ECTS (Spring 2018): 5 years integrated program (Civilingenjör) in Industrial Economy specialisation in Software Engineering**  
Software Engineering Development Methodologies, Software vs Systems Engineering, Agile Methodologies.
  - **Software Engineering, 7.5 ECTS (Autumn 2017): 5 years integrated program (Civilingenjör) in Industrial Economy specialisation in Software Engineering**  
Software Engineering Development Methodologies, Software vs Systems Engineering, Agile Methodologies.
  - **Seminar Series on Software Engineering, 7.5 ECTS (Autumn 2017): MSc Programme in Software Engineering**  
Seminar on Software Architectures and Software Design Research
  - **Software Architectures and Quality, 7.5 ECTS (Autumn 2016): MSc Programme in Software Engineering**  
Software Architecture Design and Documentation, Software Architecture Evaluations.

**Teaching Assistant**, Department of Information Systems and Computation, Universitat Politècnica de València, Spain (2011 – 2015).

- **Courses taught in the Computer Science Degree:**
  - **Software Quality (2013-2014):** Software Architecture, Software Architecture Evaluations, and Software Metrics.
  - **Model Driven Software Development (2012-2013 and 2013-2014):** Metamodeling, Model2Model and Model2Text Transformations.
  - **Advanced Software Engineering (2011-2012 and 2012-2013):** Model Driven Engineering, Metamodeling, and Model Transformations with QVT.
  - **Requirements Analysis and Specification (2014-2015):** Model-Driven Requirements Engineering.
- **Lectures taught in the Software Engineering, Formal Methods and Information Systems Master:**
  - **Empirical Software Engineering course (2014-2015):** Data Analysis on Empirical Software Engineering Studies.

## PhD, MSc and BSc Thesis Supervision

### **PhD Theses Supervision (1):**

- **Title:** "[A Model-Driven Requirements Engineering Approach for Software Product Lines](#)"  
PhD Candidate: David Blanes Domínguez  
PhD Program on Computer Science, Department of Information Systems and Computation, Universitat Politècnica de València, Spain  
Supervisors: Emilio Insfrán and [Javier González Huerta](#)

Role: Supervisor<sup>1</sup>  
Date: February 5<sup>th</sup>, 2016

### **MSc Theses Supervision (1 + 2 ongoing):**

- **Title:** “An Empirical Investigation on the Relationship between Refactoring and Software Bugs”  
Student: Huynh Khanh Vi Tran  
2 years MSc programme in Computer Science, European Masters Programme in Software Engineering, Free University of Bozen – Bolzano (Italy) and Blekinge Tekniska Högskola, Sweden  
Supervisors: Andrea Janes and Javier González Huerta  
Role: Main supervisor  
Date: March 9<sup>th</sup>, 2017
- **Title:** “Industrial study of requirement tracing for facing requirement change”  
Students: Hao Chen and Fangfei Lin  
2 years MSc programme in Software Engineering Blekinge Tekniska Högskola, Sweden  
Supervisor: Javier González Huerta  
Role: Main supervisor  
Expected Defence Date: September 2017
- **Title:** “Performance comparison of the most popular relational and non-relational database management systems”  
Student: Kamil Kolonko  
2 years MSc programme in Software Engineering, Blekinge Tekniska Högskola, Sweden  
Supervisor: Javier González Huerta  
Role: Main supervisor  
Expected Defence Date: September 2017

### **BSc Theses Supervised (1 + 1 ongoing):**

- **Title:** “Performance comparison of XHR polling, Long polling, Server sent events and Web sockets”  
Students: Rasmus Appelqvist and Oliver Örnmyr  
3 years BSc programme in Web Programming, Blekinge Tekniska Högskola, Sweden  
Role: Main supervisor  
Date: June 2<sup>nd</sup>, 2017
- **Title:** “Evaluation of the React Native framework as a cross platform alternative to native Android applications”  
Student: William Lindbom  
3 years BSc programme in Software Engineering, Blekinge Tekniska Högskola, Sweden  
Role: Main supervisor  
Expected Defence Date: August 2017

## **Course Development**

### **Development of new courses:**

- **Software Engineering, 7.5 ECTS**  
*5 years integrated program (Civilingenjör) in Industrial Economy specialisation in Software Engineering*  
course co-developed together with Kennet Henningsson  
Starting date: Fall 2016
- **Software Engineering, 6 ECTS**  
*5 years integrated program (Civilingenjör) in Industrial Economy specialisation in Software Engineering*  
course co-developed together with Kennet Henningsson  
Starting date: Spring 2018
- **Software Intensive Product Development 15ECTS**  
*5 years integrated program (Civilingenjör) in Industrial Economy specialisation in Software Engineering*  
course co-developed together with Kennet Henningsson

<sup>1</sup> In the Spanish education system, there is no distinction between PhD thesis supervision roles.

Starting date: Fall 2017

**Redesign of existing courses (including new syllabus):**

- **Software Architectures and Quality, 7.5 ECTS**  
*MSc Programme in Software Engineering*  
Starting date: Fall 2017
- **Software Architectures and Quality, 6 ECTS**  
*5 years integrated program (Civilingenjör) in Video Games and Software Engineering*  
Starting date: Fall 2017

**Program Development**

- *Appointed co-responsible of the workgroup for the development of the new Civilingenjör i Mjukvaruutveckling (5 years degree on Software Engineering), Blekinge Tekniska Högskola (June 2017 – March 2018)*

**Participation in Academic Committees**

- *Responsible of the Bachelor on Software Engineering Working Group, Department of Software Engineering (DIPT), Blekinge Tekniska Högskola (since April 2017)*
- *Students Representative, MSc program in Software Engineering, Formal Methods and Information Systems Committee, Department of Information Systems and Computation. Universitat Politècnica de Valencia, Spain. Period: 2010-2011*

**Funding Applications Submitted as Main Applicant**

**SHADE - A Value-Oriented Strategy to Handle Software Asset Degradation**  
KKS-Hög project, Swedish Knowledge Foundation (Under review, reference number 20170176)  
Expected Duration: January 2018 – December 2020  
Principal Investigator: Javier González Huerta  
Research team: Blekinge Tekniska Högskola (BTH) in collaboration with Ericsson and Spotify  
Total budget: 8 946 913MSEK

**Participation in R&D Research Projects**

1. **GoLD – Governance in Large-Scale Distributed Agile Software Development**  
KKS-Hög project supported by the Swedish Knowledge Foundation ref: 2016/0191.  
Duration: April, 2017 – March 2020.  
Principal Investigator: Darja Šmite.  
Research team: Blekinge Tekniska Högskola (BTH) & SINTEF, in collaboration with Ericsson and DXC Technologies.  
Total amount granted: 8MSEK
2. **Model-Driven Incremental Development of Cloud Services Oriented to the Customer's Value ([Value@Cloud](#))**  
RETOS project supported by the Ministry of Economy and competitiveness (MINECO project), ref. TIN2013-46300-R  
Duration: 01/01/2014 - 31/12/2017  
Principal Investigator: Silvia Abrahão  
Research Team: 8 researchers from Universitat Politècnica de Valencia and other 2 researchers from the Universidade Nova de Lisboa (UNL), Portugal  
Total amount granted: 85.791,42 €
3. **Multimodeling Approach For Quality-Aware Software Product Lines (MULTIPLE)**  
RETOS project supported by the Ministry of Economy and competitiveness (MINECO project), ref. TIN2013-46300-R  
Duration: 01/01/2010 until 31/12/2013  
Principal Investigator: Silvia Abrahão  
Number of researchers: 13 researchers from Universitat Politècnica de València, Leicester University (UK), University of Colima (Mexico) and LERO (Ireland)  
Promoter-Observer Entities (EPO): Rolls-Royce PLC (UK) and Mondragon Goi Eskola Politeknikoa J.M.A (Spain)  
Total amount granted: 151.492 €
4. **Usability in Service-Oriented Product Line Engineering**

Granted by the Spanish Ministry of Education, Culture and Sport (PHB2011-0015)  
Duration: 01/01/2012 until 31/12/2013  
Principal Investigator: Silvia Abrahão (Spanish coordinator) & Eduardo Santana de Almeida (Brazilian coordinator)  
Number of researchers: 5 researchers from the Universitat Politècnica de València (UPV) and 8 researchers from Federal University of Bahia (UFPA)  
Total amount granted: 36.000 € (Spanish node)

**5. Integration of Quality in Model-Driven Software Development (CALIMO)**

Granted by Generalitat Valenciana, Conselleria de Educación - GV/2009/103  
Duration: 01/01/2009 until 31/12/2011  
Principal Investigator: Silvia Abrahão  
Number of researchers: 5 researchers from the Universitat Politècnica de València  
Total amount granted: 10.200 €

**6. Quality-Driven Model Transformations**

Granted by the Universidad Politècnica de València, with reference UPV- 20080008  
Duration: 04/12/2007 until 04/12/2009  
Principal Investigator: Silvia Abrahão  
Number of researchers: 5 researchers from the Universitat Politècnica de València  
Total amount granted: 9.500 €

**7. Towards the Integration of Transectorial IT Design and Evaluation (TwinTide)**

Granted by the EU Cooperation in Science and Technology (COST) - Action IC0904  
Duration: 01/11/2009 until 30/11/2013  
Principal Investigator: Effie Lai-Chong Law (ETH, Zurich, action coordinator) & Silvia Abrahão (UPV Node coordinator)  
Number of researchers: partners from 21 European countries  
Total amount granted: 218.000 €

**8. Spanish Network in Web Services: Engineering, Technologies and Architectures**

Granted by the Spanish Ministry of Science and Innovation (TIN2007-29678E)  
Duration: 2008 to 2011 / 2011 to 2013  
Principal Investigator: Esperanza Marcos/Valeria de Castro  
Number of researchers: partners from 23 Spanish research groups  
Total amount granted: 9.000 €

**Industry-Sponsored Research Projects**

**1. Analysis of Software Product Line Quality Attributes**

Type of contract: I+D+I (Research, Development, and Innovation)  
Organizations: Rolls-Royce Plc. (UK) & Universitat Politècnica de València  
Duration: 01/04/2011 until 30/09/2011  
Principal Investigator: Silvia Abrahão  
Number of researchers: 2

**2. Transport and Storage Process Automation in SMEs**

Type of contract: I+D+I (Research, Development, and Innovation)  
Organizations: ASCOMIL & Universitat Politècnica de València  
Duration: 11/2000 until 11/2002  
Principal Investigator: Josep Tornero i Montserrat

**Journal Board Membership**

- **IEEE Transactions on Software Engineering (TSE)**, Editor: Matthew B. Dwyer, ISSN: 0098-5589 (since May 2017)
- **Journal on Software and Systems Modeling (SoSyM)**, Springer, Editors: Jeff Gray & Bernhard Rumpe, Online ISSN: 1619-1374, Print ISSN: 1619-1366, (since June 2016)
- **International Journal of Information Technology & Decision Making (IJITDM)**, World Scientific, Editor: Yong Shi, Online ISSN: 1793-6845, Print ISSN: 0219-6620, (since June 2017)
- **Requirements Engineering Journal**, Springer, Editor: Pericles Loucopoulos, Springer, Online ISSN: 1432-010X Print ISSN: 0947-3602, (since Sept 2014).
- **Special Issue: “Requirements Engineering in Software Product Line Engineering”**. **Requirements Engineering Journal**. Springer. Guest editors: Insfran E., Chastek G, Donohoe P., Julio C. Leite. DOI: 10.1007/s00766-013-0189-0 Online ISSN: 1432-010X Print ISSN: 0947-3602. November 2013.



## Scientific Committees

### Program Committee Member

- Poster and Demos Sessions -25th International Requirements Engineering Conference (**RE'17**)
- International Conference on Model-Driven Engineering and Software Development (**MODELSWARD2017, MODELSWARD2016, MODELSWARD2015**).
- 1st International Conference on Lean and Agile Software Development (**LASD'17**)
- Conferencia Iberoamericana de Software Engineering (**CIBSE2017, CIBSE2016, CIBSE2015**).
- International Conference on Information Systems Development (**ISD2017, ISD2016, ISD2015, ISD2014**).
- XXII Jornadas de Ingeniería del Software y Bases de Datos (**JISBD 2017**).

### Additional Reviewer

- 11<sup>th</sup> Joint Meeting of the European Software Engineering Conference and ACM SigSoft Symposium on the Foundations of Software Engineering (**ESEC/FSE2017**).
- ACM/IEEE International Conference on Model Driven Engineering Languages and Systems (**MODELS2015, MODELS2011**).
- Model-Driven Requirements Engineering Workshop (**MoDRE2014**).
- Euromicro Conference series on Software Engineering and Advanced Applications (**SEAA2014, SEAA2010**).
- IEEE International Conference on Research Challenges in Information Science (**RCIS2014, RCIS2013**)
- 17th International Conference on Evaluation and Assessment in Software Engineering (**EASE2013**)
- International Conference on Product Focused Software Process Improvement (**PROFES2012, PROFES2011**)
- 24th International World Wide Web Conference (**WWW2012**)
- 11th International Conference on Web Engineering (**ICWE 2011**).
- 15th International Software Product Line Conference (**SPLC 2011**)
- XXXVI Conferencia Latinoamericana de Informática (**CLEI 2010**)
- 6th Nordic Conference on Human-Computer Interaction (**NordiCHI 2010**).
- 6th International Conference on Web Information Systems and Technologies (**WEBIST 2010**)

## Invited Talks

- **Guest Seminar:** Software Engineering Laboratory (SEL), McGill University, Montreal, Canada  
**Title:** “A Product Architecture Derivation Method for Software Product Line Development”  
**Date:** April 23th, 2015
- **Guest Seminar:** Software Engineering Division, Chalmers & Gothenburg University, Gothenburg, Sweden  
**Title:** Quality in Mobile Applications: Really Design Matters?  
**Date:** Sept 28<sup>th</sup>, 2016

## Stays in Foreign Research Centers

- **Leiden Institute for Advanced Computer Science (LIACS)**, Leiden University, Pre-Doctoral stay from April to July 2011, supported by the Master Students Mobility Program, Education Ministry, Spain. Under supervision of Dr. Michel R.V Chaudron.

## Awards

- Microsoft Azure Research Award 2014 and 2015: Microsoft Research Award to the Value@Cloud Project.

- Predoctoral Research Fellow VALi+d program (with one extra year as Post-Doctoral Researcher), granted by the Conselleria de Educació, Generalitat Valenciana, 2011-2015.
- Master Students Mobility Program, granted by the Education Ministry, Spain, 2011.

## University Service

### Participation in Academic Programs and Committees

- *Appointed co-responsible of the workgroup for the development of the new Civilingenjör i Mjukvaruutveckling*, Department of Software Engineering (DIPT), Blekinge Tekniska Högskola (since April 2017)
- *Appointed Responsible of the Bachelor on Software Engineering Working Group*, Department of Software Engineering (DIPT), Blekinge Tekniska Högskola (since April 2017)
- *Students Representative, MSc program in Software Engineering, Formal Methods and Information Systems Committee*, Department of Information Systems and Computation. Universitat Politècnica de Valencia, Spain.  
Period: 2010-2011

## Conference and Workshop Organization

- **Local Facilities Chair** of the ACM/IEEE 17<sup>th</sup> International Conference on Model Driven Engineering Languages and Systems (MODELS 2014), Sept. 29th - Oct. 3rd, 2014 – Valencia, Spain.
- **Local Facilities Chair** of the 8<sup>th</sup> System Analysis and Modelling Conference (SAM 2014), Sept. 29th - Oct. 3rd, 2014 – Valencia, Spain.
- **Local Facilities Chair** AADL User Day & Standard Committee Meeting (AADL2013), February 4<sup>th</sup> -7<sup>th</sup>, 2013. Valencia, Spain.
- **Organization Committee** of the 6<sup>th</sup> International MCETECH Conference (MCETECH2015), May 12<sup>th</sup> -15<sup>th</sup>, Montreal, Canada.
- **Organization Committee** of the 15<sup>th</sup> Spanish Conference on Software Engineering and Databases (JISBD 2010), Valencia, Spain, Sept 2010.