



Dr. JAVIER GONZÁLEZ HUERTA
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Curriculum Vitae

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 Evaluation and Improvement, Architectural Variability Resolution.
- **Model-Driven Engineering:** Model Transformations in ATL and QVT, Model-to-Text Transformations, Consistency Checking, Metamodeling, Multimodels.
- **Software Product Lines:** Product Architecture Derivation, Variability Modelling and Resolution, Requirements Engineering in Software Product Line Development,
- **Software Quality Assurance:** Quality Assurance in Software Product Line Development, Software Measurement, Quality-Driven Model Transformations.
- **Information System Development:** Business Process Modeling, Flexible Process Modeling.
- **Human Aspects:** User perceptions about technology and its acceptance, Self - management and autonomous teams, cultural differences and behavior.
- **Empirical Software Engineering:** Design and execution empirical studies such as controlled experiments, quasi-experiments, surveys and case studies.

Degrees

- **PhD in Computer Science** Universitat Politècnica de València, Spain (2011 - 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 (2010 - 2011).
- **MEng in Computer Science (375ECTS/ 3 + 2 years)**, Computer Science School, Universitat Politècnica de València, Spain (2008 - 2010).
- **BSc degree in Computer Systems Engineering (225ECTS / 3 years)**, Computer Science School, Universitat Politècnica de València, Spain (1994 - 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
- **Management Skills - Knowledge Management (MANAGEMENTOR) 200h**
September – November 2008, Confederacion Empresarial Valenciana, Conselleria D'economia Hisenda i Ocupació, Generalitat Valenciana

Languages

- English (Full competence 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).
- **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).

Industrial

Experience

Research Experience

Publications

Refereed Journal Publications (9):

1. Šablis, A., [González-Huerta, J.](#), Zabardast, E., Šmite, D., Building LEGO Towers: An Exercise for Teaching the Challenges of Global Work, ACM Transactions on Computing Education, Association of Computing Machinery, Accepted, to appear, Impact Factor: 1.535 (JCR 2017), 2018.
2. Blal, R., Leshob, A., [Gonzalez-Huerta, J.](#), Mili, H., Boubaker, A.:From inter-organizational business process models to service-oriented architecture models *Service Oriented Computing and Applications*, Springer Verlag, 1-19, 2019 (online first).
3. Zuñiga M., [González-Huerta, J.](#), Insfrán E., Abrahao S., Dynamic reconfiguration of cloud application architectures, *Software – Practice and Experience*, Wiley Online Library, 48, 2, 327-344, 2018, Impact Factor: 1.338 (JCR 2017).
4. 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: 0.200 (JCR 2017).
5. 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: 2.278 (JCR 2017).
6. [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 2.627 (JCR 2017).

7. 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 1.079 (JCR 2017), 2014.
8. 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.
9. 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):

1. 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).
2. 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 (22):

1. Sundelin, A., Gonzalez-Huerta, J., Wnuk, K.: Test-Driving FinTech Product Development: An Experience Report. *19th International Conference on Product-Focused Software Process Improvement – PROFES2018*, Wolfsburg, Germany, 2018 [Accepted, to appear].
2. Chatzipetrou, P., Ouriques, R., Gonzalez-Huerta, J.: Approaching the Relative Estimation Concept with Planning Poker. *7th Computer Science Education Research Conference – CSERC2018*, Saint Petersburg, Russia, 2018 [Accepted, to appear]
3. Seide Mollieri, J., Gonzalez-Huerta, J., Henningsson, K.: A Legacy Game for Project Management in Software Engineering Courses. *European Conference of Software Engineering Education*, Seon, Germany, 2018 [*Best Paper Award*]
4. 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.
5. Gonzalez-Huerta, J., Poulding, S.: 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
6. Aouachria M., Leshob, A., Gonzalez-Huerta, J., Reda Ghomari, A.: Business Process Integration: How to Achieve Interoperability Through Process Patterns. *14th International Conference on e-Business Engineering ICEBE2017*, Shanghai, China 2017.
7. Ickin, S., Petersen, K., Gonzalez-Huerta, J.: Why Do Users Install and Delete Apps? A Survey. *International Conference on Software Business*, Essen, Germany, 2017.
8. 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)
9. 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.
10. Palma, F., Gonzalez-Huerta, J., Moha, N., Guéhéneuc, Y.G., and Tremblay G., Are RESTful APIs Well-designed? Detection of their Linguistic (Anti) Patterns, *13th International Conference on Service Oriented Computing (ICSOC2015)*, Goa, India, 2015.

11. Cedillo, P., Gonzalez-Huerta, J., Abrahão, S., Insfran, E., A Monitoring Infrastructure for the Quality Assessment of Cloud Services, *24th International Conference on Information Systems Development (ISD 2015)*, Harbin, China, 2015.
12. 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.
13. Blanes, D., Gonzalez-Huerta, J., Insfran, E., A Multimodel Approach for Specifying the Requirements Variability on Software Product Lines, *23rd International Conference on Information Systems Development (ISD 2014)*, Varaždin, Croacia, 2014.
14. 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.
15. Botto, M., Gonzalez-Huerta, J., Insfran, E., Are Model-driven Techniques Used as a Means to Migrate SOA Applications to Cloud Computing? *10th International Conference on Web Information Systems and Technologies (WEBIST2014)*, Barcelona, Spain, 2014.
16. 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.
17. Gonzalez-Huerta, J., Insfran, E., Abrahão, S., McGregor J. D. Architecture Derivation in Product Line Development through Model Transformations, *22nd International Conference on Information Systems Development (ISD 2013)*, Model-Driven Engineering in ISD Track, Seville, Spain 2013.
18. 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, *7th Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS 2013)*, Brasilia, Brazil, 2013. [*3rd Best Paper Award*].
19. Insfran, E., Abrahão, S., Gonzalez-Huerta, J., McGregor, J. D., Ramos, I. A Multimodeling Approach for Quality-Driven Architecture Derivation, *21st International Conference on Information Systems Development (ISD 2012)*, Model-Driven Engineering in ISD Track, Prato, Italy, 2012.
20. Gonzalez-Huerta, J., Insfran, E., Abrahão, S., A Multimodel for Integrating Quality Assesment 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.
21. 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.
22. Gonzalez-Huerta, J., Blanes, D., Insfran, E., Abrahão, S., Towards an Architecture for Ensuring Product Quality in Model-Driven Software Development, *11th International Conference on Product Focused Software Development and Process Improvement (PROFES 2010)*, Limerick, Ireland, 2010.

Refereed International Workshop Publications (6):

1. de Carvalho, Renata M., Hafedh Mili, Anis Boubaker, Gonzalez-Huerta, and Simon Ringuette On the Analysis of CMMN Expressiveness: Revisiting Workflow Patterns, *20th IEEE International Enterprise Distributed Object Computing Workshops (EDOCW)*, Vienna, Austria, 2016.
2. 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.

3. Cedillo, P., Gonzalez-Huerta, J., Abrahão, S., Insfrán, E., Towards Monitoring Cloud Services Using Models@run.time, *9th International Workshop on Models@run.time (MRT2014) collocated with MODELS2014, Valencia, Spain, 2014.*
4. Zuñiga-Prieto, M.A., Gonzalez-Huerta, J., Abrahão, S., Insfrán, 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.*
5. Gonzalez-Huerta, J., Insfran, E., Abrahão, S., McGregor, J. D, Non-Functional Requirements in Model-Driven Software Product Line Development Engineering, *4th International Workshop on Non-functional System Properties in Domain Specific Modeling Languages (NFSP-DSML 2012)*, co-located with MODELS 2012, Innsbruck, Austria, 2012.
6. Gonzalez-Huerta, J., Insfran, E., Abrahão, S. Defining an Architecture for Quality-Driven Model Transformations, *1st International Master Class on Model-Driven Engineering*, in conjunction with MODELS 2010, Oslo, Norway, 2010.

Refereed National Conference Publications (2):

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

Refereed National Workshop Publications (1):

1. Gonzalez-Huerta J., Abrahão S., Insfrán 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.*

Participation in R&D Research Projects

Ongoing Projects:

- [SHADE - A Value-Oriented Strategy to Handle Software Asset Degradation](#)
KKS-Hög project supported by the Swedish Knowledge Foundation ref: number 20170176
Duration: April 2018 – March 2021
Principal Investigator: Javier González Huerta
Research team: Blekinge Tekniska Högskola (BTH) in collaboration with Ericsson and Spotify
Total budget: 8MSEK
- **SERT – Software Engineering Rethought**
KKS-Profile project supported by the Swedish Knowledge Foundation
Duration: October 2018 – October 2026
Principal Investigator: Tony Gorschek
Role: Management Team and Sub-Project leader
Research team: Blekinge Tekniska Högskola (BTH) in collaboration with 11 companies (e.g., Sony Mobile, Telia, Ericsson)
Total budget: 120MSEK
- [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 budget: 8MSEK

Previous Projects:

- **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 València and other 2 researchers from the Universidade Nova de Lisboa (UNL), Portugal
Total amount granted: 85.791,42 €
- **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 €
- **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)
- **Integration of Quality in Model-Driven Software Development (CALIMO)**
Granted by Generalitat Valenciana, Conselleria de Educació - 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 €
- **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 €
- **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 €
- **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**

- **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
- **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)
- **IEEE Transactions on Service Computing (TSC)**, Editor: Ling Liu, ISSN 1939-1374, since (September 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 (**MODELSWARD2018, MODELSWARD2017, MODELSWARD2016, MODELSWARD2015**).
- 1st International Conference on Lean and Agile Software Development (**LASD'17**)
- Conferencia Iberoamericana de Software Engineering (**CIBSE2018, 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

- 11th 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 28th, 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.

Grants and 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 (Ref. ACIF/2011/235).
- Master Students Mobility Program, granted by the Education Ministry, Spain, 2010 (Ref. MAS2010-00381).
- 3rd best paper award: “A Feature-Driven Requirements Engineering Approach for Software Product Lines”, 7th Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS2013), Brasilia, Brazil.

Teaching Experience

Courses Taught

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 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 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, 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 + 2 ongoing):

- **Title:** [“A Model-Driven Requirements Engineering Approach for Software Product Lines”](#)

PhD Candidate: David Blanes Dominguez

PhD Program on Computer Science, Universitat Politècnica de València, Spain

Supervisors: Emilio Insfrán and [Javier González Huerta](#)

Role: co-supervisor

Date: February 5th, 2016

- PhD Candidate: Aivars Šablis

PhD Program on Technology

Area of research: Software Engineering, Blekinge Tekniska Högskola

Supervisors: Darja Šmite and [Javier González Huerta](#)

Role: co-supervisor

- PhD Candidate: Ehsan Zabardast

PhD Program on Technology

Area of research: Software Engineering, Blekinge Tekniska Högskola

Supervisors: [Javier González Huerta](#) and Darja Šmite

Role: co-supervisor

Licentiate Thesis Supervision (1 ongoing)

- Licentiate Candidate: Anders Sundelin
Professional Licentiate School (PLEng 2.0)
Area of research: Software Engineering, Blekinge Tekniska Högskola & Ericsson
Supervisors: Krzysztoff Wnuk, Javier González Huerta & Tony Gorschek
Role: co-supervisor

MSc Theses Supervision (2 + 1 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: co-supervisor
Date: March 9th, 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: Sole supervisor
Expected Defence Date: January 23th, 2018
- **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: Sole supervisor
Expected Defence Date: May 2018

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: Sole supervisor
Date: June 2nd, 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: Sole supervisor
Expected Defence Date: August 2018

Course
Development

Development of new courses:

- **PA1455 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
- **PA1450 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
- **PA2538 Software Intensive Product Development 15ECTS**

5 years integrated program (Civilingenjör) in Industrial Economy specialisation in Software Engineering
 course co-developed together with Kennet Henningsson
 Starting date: Fall 2017

Redesign of existing courses (including new syllabus):

- **PA1453 Software Architectures and Quality, 7.5 ECTS**
MSc Programme in Software Engineering
 Starting date: Fall 2017
- **PA1454 Software Architectures and Quality, 6 ECTS**
5 years integrated program (Civilingenjör) in Video Games and Software Engineering
 Starting date: Fall 2017

**Program
 Revision and
 Development**

- *Appointed Program Manager of the Civilingenjör i Mjukvaruutveckling (5 years degree on Software Engineering), Blekinge Tekniska Högskola (June 2017 – December 2019)*
- *Appointed responsible of the workgroup for the development of the new Civilingenjör i Mjukvaruutveckling (5 years degree on Software Engineering), Blekinge Tekniska Högskola (June 2017 – April 2018)*
- *Responsible of the Bachelor on Software Engineering Working Group, Department of Software Engineering (DIPT), Blekinge Tekniska Högskola (since April 2017)*
- *Civilingenior i Industriell Ekonomi Working Group (5 years degree on Software Engineering), Blekinge Tekniska Högskola (January 2018)*

Management Experience

University Service

Participation in Academic Programs and Committees

- *Appointed Program Manager of the Civilingenjör i Mjukvaruutveckling (5 years degree on Software Engineering), Blekinge Tekniska Högskola (May 2018 – December 2019)*
- *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 – April 2018)*
- *Appointed Responsible of the Bachelor on Software Engineering Working Group, Department of Software Engineering (DIPT), Blekinge Tekniska Högskola (since April 2017)*
- *Civilingenior i Industriell Ekonomi Working Group (5 years degree on Software Engineering), Blekinge Tekniska Högskola (January 2018)*
- *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 17th International Conference on Model Driven Engineering Languages and Systems (MODELS 2014), Sept. 29th - Oct. 3rd, 2014 – Valencia, Spain.
- **Local Facilities Chair** of the 8th 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 4th -7th, 2013. Valencia, Spain.
- **Organization Committee** of the 6th International MCETECH Conference (MCETECH2015), May 12th -15th, Montreal, Canada.
- **Organization Committee** of the 15th Spanish Conference on Software Engineering and Databases (JISBD 2010), Valencia, Spain, Sept 2010.