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ResearchGate: https://www.researchgate.net/profile/Silvia_Abrahao/?ev=hdr_xprf

Prof. Silvia Abrahão

Professional Situation

- Organization: Universitat Politècnica de Valencia
Department of Computer Science and Instituto Universitario Mixto Tecnológico de Informática (ITI - <https://www.iti.es/en>)
Professional Category: **Full Professor (Catedrática de Universidad)**
Administrative Situation: Staff (Tenured)
Dedication: Full time

Current Research Interests

- Main areas: Software Quality, Model-Driven Engineering
Empirical Assessment of Software Modeling Approaches
Integration of Usability/User Experience in Software Development
Application of Machine Learning Techniques to Software Engineering
DevOps, Architecting Cloud Applications, Cloud Services Monitoring

Research and Teaching Branches

- **Four externally assessed (six-year) periods of research (*1)** for 2017-2022, 2011-2016, 2005-2010, 1998-2004.
(*1) Spanish national research quality measures. Every six years researchers submit a report on the research they have done over the six-year period, including publications, conferences, projects etc. The report is assessed by the Spanish National Research Activity Assessment Committee (CNEAI). If the amount and quality of activity is regarded as sufficient, the application is approved and recognized.
- **Three externally assessed (five-year) periods of teaching (*2)** for 2014-2019, 2010-2014 and 2002-2009.
(*2) Spanish national teaching quality measures. Every five years lecturers submit a report on their teaching activity over the five-year period. The report is assessed by a University Assessment Committee. If the amount and quality of activity is regarded as sufficient, the application is approved and recognized.

Education

- **PhD in Computer Science**, Department of Computer Science, Universitat Politècnica de València, Spain (2000-2004), *Summa cum laude* (European PhD distinction).
- **First year of MSc in Computer Science**, Department of Computer Science, Federal University of São Carlos (UFSCar), Brazil (1999).
- **MSc in Software System Analysis**, University of Lins (Unilins), Brazil & IBM Brazil (1995-1996).
- **BSc in Informatics** (homologated to the Spanish degree of Informatics Engineer), Faculty of Informatics of the University of Lins (Unilins), Lins, São Paulo, Brazil (1992-1995).

Academic
Positions and
Courses
Taught

- **Full Professor** (*Prof. Catedrática de Universidad*), Department of Computer Science, Universitat Politècnica de València, Spain (2023-...)
 - Courses taught at the Computer Science Degree:
 - Software Quality (CSO): 2023-2024.
 - Courses taught at the Master's Program in Software Systems Engineering and Technology:
 - Empirical Software Engineering (ISE): 2023-2024.
- **Associate Professor** (*Prof. Titular de Universidad*), Department of Computer Science, Universitat Politècnica de València, Spain (2010 – 2023)
 - Courses taught at the Computer Science Degree:
 - Software Quality (CSO): 2012-2013, 2013-2014, 2014-15, 2015-16, 2016-17, 2017-18, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023.
 - Requirements Analysis and Specification (IDR): 2011-2012, 2020-2021, 2021-2022, 2022-2023.
 - Advanced Software Engineering (TSA): 2011-2012.
 - Courses taught at the Master's Program in Software Engineering, Formal Methods and Information Systems:
 - Empirical Software Engineering (ISE): 2014-2015, 2015-2016, 2016-2017, 2017-18, 2018-2019, 2019-2020, 2020-2021, 2021-2022, 2022-2023, 2023-2024.
 - Quality of Web Information Systems (CSI): 2010-2011, 2011-2012, 2012-2013, 2013-2014.
- **Visiting Scholar** at *Louvain Interaction Laboratory*, Université catholique de Louvain, Belgium.
 - Conducting research on model-driven adaptive user interfaces based on user experience, from August 2017 to January 2018. Funded by Spanish Ministry of Education, Culture and Sports under the Mobility Grant for Senior Professors, including the Salvador de Madariaga Program.
- **Visiting Scholar** at *Software Engineering Institute (SEI)*, Carnegie Mellon University, Pittsburgh, USA
 - Conducting research on a multimodeling approach for product architecture derivation and evaluation. Research, Technology, and System Solutions (RTSS) Program, from March to July 2012.
 - Conducting research on cost estimation for software product lines and on combining software product lines with service-oriented architectures. Product Line Practice (PLP) Initiative, from November 2010 to February 2011.
- **Invited Professor**, MSc in Information Technology and Communications (Software Quality and Metrics) at the *National University of Asunción (UNA)*, Paraguay. August 2013, December 2014, December 2015, June 2017, July 2019, May 2022 and December 2022.
- **Invited Professor**, MSc in Information Technology and Communications (Module on Software Quality) at the Itaipú Technological Park (ITP), Itaipú Binacional, Organized by the National University of Asunción, Paraguay, July 2012.
- **Associate Professor** (*Prof. Contratado Doctor*), Department of Computer Science, Universitat Politècnica de València, Spain (2008 – 2010)
 - Courses taught at the Computer Science Degree:
 - Software Engineering Methodologies (MTP): 2008-2009
 - Databases (BDA): 2008-2009, 2009-2010, 2010-2011
 - Courses taught at the Software Engineering, Formal Methods and Information Systems PhD Program:
 - Quality of Web Information Systems (CSI): 2008-2009, 2009-2010.

- **Tenured Assistant Professor** (*Prof. Colaborador*), Department of Computer Science, Universitat Politècnica de València, Spain (2005-2008)
 - Courses taught at the Computer Science Degree:
 - Databases (BDA): 2005/2006, 2006-2007, 2007-2008
 - Software Engineering Methodologies (MTP): 2007-2008; 2008-2009
 - Courses taught at the Software Engineering, Formal Methods and Information Systems PhD Program:
 - Quality of Web Information Systems (CSI): 2007-2008, 2008-2009, 2009-2010, 2010-2011
 - Courses taught at the Declarative Programming and Software Engineering PhD Program:
 - Quality of Web Information Systems (CSI): 2005-2006, 2006-2007
- **Assistant Professor** (*Prof. Asociada*), Department of Computer Science, Universitat Politècnica de València, Spain (2002-2005)
 - Courses taught in the Declarative Programming and Software Engineering PhD Program:
 - Quality of Web Information Systems (CSI): 2004-2005.
 - Courses taught in the Computer Science Degree:
 - Advanced Databases (BDV): 2004-2005
 - Databases (BDA): 2003-2004, 2004-2005
 - Database Management (GBD): 2001-2002, 2002-2003, 2003-2004.
 - Courses Taught at the Professional MSc Degree in Software Engineering:
 - Database Management with SQLServer: 2002-2003, 2003-2004, 2004-2005.
- **Assistant Researcher** (*Becaria FPI*), Department of Computer Science, Universitat Politècnica de Valencia, Spain (2000- 2002).
 - Full-time Research Position from June 2000 to June 2002. Research topics include object-oriented conceptual model, web engineering, software metrics and empirical software engineering.
- **Assistant Professor**, Department of Computer Science, Federal University of São Carlos (UFSCar), 1998-1999.
 - Courses Taught at the Computer Science degree:
 - Construction of Compilers (02.511-9), Laboratory of Compilers (02.512-7) and Programming Laboratory (02.512-7): 1999
 - Generation and Use of Databases, 1998
- **Assistant Researcher** (*DTI-7G*), Department of Computer Science of the Federal University of São Carlos (UFSCar), Brazil (1996-1998).
 - Full-time research position from September 1996 to September 1998. Research topics include software transformation systems, object-oriented software reengineering, and reverse engineering.

Professional Experience

- CARE Technologies S.A (www.care-t.com), Denia, Spain (Feb-Nov 2005). Activities: coordination of projects in the area of Software Quality and Usability Engineering.
- **System Analyst**, Soft-Micro Araçatuba Ltda, Araçatuba-SP, Brazil (1995-1996). Activities: courses and materials developing, professors training, systems developing and training (Clipper and C languages, UNIX and Novel networks, etc.).
- **System Analyst**, Serviço Social do Comércio (SESC), São José do Rio Preto-SP, Brazil (1994-1995). Activities: UNIX network management and maintenance of the existing systems.

Participation in the Role of Principal Researcher (11):

- 1. User-Centered Intelligent Software Systems Adaptation (UCI-Adapt)**
Granted by the Spanish State Research Agency, under the State Plan for Scientific and Technical Research and Innovation (PEICTI) 2021-2023, Knowledge Generation Projects programme, with ref. PID2022-140106NB-I00
Duration: 2023-2026
Total granted: 222.500,00 Euros
Principal Researcher: [Silvia Abrahão](#) & Emilio Insfran
Number of researchers: 6 researchers from Universitat Politècnica de València (Spain), 1 researcher from Universidade Nova de Lisboa (Portugal) y 1 researcher from Université catholique de Louvain (Belgium).
- 2. User Interface Adaptation through User-Experience-based Reinforcement Learning (AKILA)**
Granted by the Generalitat Valenciana, Conselleria de Educació, ref. CIAICO/2021/303
Duration: 2022-2024
Principal Researcher: [Silvia Abrahão](#)
Number of researchers: 5 researchers from Universitat Politècnica de València (Spain) and 1 researcher from Université catholique de Louvain (Belgium)
- 3. User-Centered Dynamic Adaptation of Cloud Services (Adapt@Cloud)**
Granted by the Spanish Ministry of Economy and Competitiveness (CICYT project), R&D Program Oriented to the Societal Challenges, with ref. TIN2017-84550-R
Duration: 2018-2021
Principal Researcher: [Silvia Abrahão](#) & Emilio Insfran
Number of researchers: 7 researchers from Universitat Politècnica de València (Spain), 2 researchers from Universidade Nova de Lisboa (Portugal), 1 researcher from Université catholique de Louvain (Belgium) and 1 researcher from the Carnegie Mellon University Software Engineering Institute (SEI).
- 4. Network of Excellence on Software Quality and Sustainability (CALESI)**
Granted by the Spanish Ministry of Economy, Industry and Competitiveness, with ref. TIN2017-90689-REDT
Duration: 2018-2019
Principal Researcher: [Silvia Abrahão](#)
Number of researchers: a group of researchers from 10 Spanish universities: ISSI research group (U. Politècnica de València), Alarcos research group (U. Castilla-La Mancha), GESSI research group (U. Politècnica de Catalunya), Software product & process improvement group (U. Politècnica de Madrid), GIS group (U. Murcia), GISUM group (U. Málaga), Lucentia group (U. Alicante), IWT2 group (U. Sevilla), SPI&FM group (U. Cádiz) and SSE@MU group (U. Mondragón).
- 5. Model-Driven Incremental Development of Cloud Services Oriented to the Customer's Value (Value@Cloud)**
Granted by the Ministry of Economy and Competitiveness (CICYT project), R&D Program Oriented to the Societal Challenges, with ref. TIN2013-46300-R
Duration: 2014-2017
Principal Researcher: [Silvia Abrahão](#)
Number of researchers: 10 researchers from Universitat Politècnica de València and other 2 researchers from Universidade Nova de Lisboa (Portugal).
- 6. Flexible Fog Computing Services**
Grant for Attracting EU and other international R&D projects, Generalitat Valenciana, Conselleria de Educació, with ref. APE/2016/010
Duration: 01/01/2016 until 31/12/2016
Principal Researcher: [Silvia Abrahão](#)
- 7. Multimodeling Approach for Quality-Aware Software Product Lines (MULTIPLE)**
Granted by the Ministry of Science and Innovation (CICYT project), with ref. TIN2009-13838
Duration: 01/01/2010 until 31/12/2013
Principal Researcher: [Silvia Abrahão](#)

Number of researchers: 8 researchers from Universitat Politècnica de València and other 5 researchers from 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).

8. Grant VALI+D for contracting PhD researchers

Granted by the Generalitat Valenciana, Conselleria D' Educació, Investigació, Cultura I Esport, VALI+D Program, granted for the training of Javier Gonzalez-Huerta, with ref. ACIF/2011/235

Duration: 01/03/2011 until 01/01/2015

Principal Researcher: Silvia Abrahão

Number of researchers: 2 researchers from Universitat Politècnica de València

9. Usability in Service-Oriented Product Line Engineering

Granted by the Ministry of Education, Culture and Sport (PHB2011-0015-PC)

Duration: Jan. 2012 to Dec. 2013

Principal Researcher: Silvia Abrahão (Spanish coordinator) & Eduardo Santana de Almeida (Brazilian coordinator).

Number of researchers: 5 researchers from the Universitat Politècnica de Valencia (UPV) and 8 researchers from Federal University of Bahia (UFPA)

10. 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 Researcher: Silvia Abrahão

Number of researchers: 5 researchers from U. Politècnica de València.

11. Quality-Driven Model Transformations

Granted by the Universidad Politècnica de València, with reference UPV- 20080008.

Duration: 04/12/2007 until 04/12/2009

Principal Researcher: Silvia Abrahão

Number of researchers: 5 researchers from Univ. Politècnica de València.

Participation in the Role of Principal Researcher for the UPV node (4):

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

Granted by the EU Cooperation in Science and Technology (COST) - Action IC0904.

Duration: 2009/11 to 2013/11 - <https://www.cost.eu/actions/IC0904>

Principal Researcher: Effie Lai-Chong Law (ETH, Zurich, action coordinator) & Silvia Abrahão (UPV Node coordinator and member of management committee)

Number of researchers: partners from 28 European countries

2. Spanish Network in Service-Oriented Architectures

Granted by the Spanish Min. of Economy and Competitiveness (TIN2011-15497-E)

Duration: 2012/09 to 2013/08 (extended until 24/06/2014)

Principal Researcher: Valeria de Castro (Rey Juan Carlos University)

Number of researchers: 84 partners from 17 Spanish research groups

3. Towards the Maturation of Usability Evaluation (MAUSE)

Granted by the European Union COST Action 294 (<http://www.cost294.org>)

Duration: 2005 to 2009

Principal Researcher: Effie Lai-Chong Law (ETH, Zurich, action coordinator) & Silvia Abrahão (UPV Node coordinator and member of management committee)

Number of researchers: partners from 19 European countries.

4. Spanish Network on Software Process and Product Quality (CALIPSO)

Granted by the Ministry of Science and Education, with ref. TIN2005-24055E

Duration: 2005 to 2007

Principal Researcher: Coral Calero (University of Castilla-La-Mancha)

Researchers: 98 from 19 universities, 5 Latin-American companies, and 5 companies.

Participation in the Role of Researcher (24):

1. Assessment and Engineering of Equitable, Unbiased, Impartial and Trustworthy AI Systems (AEQUITAS)

Granted by the European Commission, Horizon Europe Framework Programme (HORIZON-RIA), HORIZON-CL4-2021-HUMAN-01-24 (101070363)

Duration: 2022-10 to 2022-09

Total funding amount: 3,493,992 €

Partners: Universitat' di Bologna, Umeå University, University College Cork, Adecco Training, Modis Consulting, Philips Research, Globaz, ALLAI, Period Think Tank Aps, Arcigay, Women in AI, Eurocadres, Instituto Tecnológico de Informatica, Universitat Politècnica de Valencia, Universidad de La Laguna, Asociación Rayuela.

2. AI-Driven Industrial Equipment Product Life Cycle Boosting Agility, Sustainability and Resilience (AIDEAS)

Granted by the European Commission, Horizon Europe Framework Programme (HORIZON-IA), HORIZON-CL4-2021-TWIN-TRANSITION-01-07 (101057294)

Duration: 2022-07 to 2025-06

Total funding amount: 5,999,694 €

Principal Researcher: Stefanos Vrochidis (CERTH)

Participants: CERTH, UPV, UNINOVA, IKERLAN, TAU, UNIVPM, ITI, CESI, IANUS, XLAB, FBA, DIN, PAMA, D2TECH, BBM, MULTISCAN

3. Supporting Innovation Competence Development in Online Education (SINCOE)

Granted by the European Commission, Erasmus + Finish National Agency for Education Grant Number: 2021-1-FI01-KA220-HED-000023343

Duration: 2022-02 to 2025-02

Principal Researcher: Juan A. Marin-García

Total granted: 306.777 €

Participants: Universitat Politècnica de València (Spain), Hamburg University of Applied Science (Germany) and University of Turku (Finland)

4. Social Implications of Artificial Intelligence

Granted by the European Commission, Erasmus+ Blended Intensive Program (BIP) within the Erasmus KA 131 project 2021

Grant Number: 2021-1-DE01-KA131-HED-00005600

Duration: 2021-09 to 2023-12

Principal Researcher: Ruben Nuredini

Participants: Heilbronn University (Germany) Universitat Politècnica de València (Spain) and University of Mother Teresa (North Macedonia)

5. Network of Excellence on Software Quality and Sustainability (CALESI)

Granted by the Spanish Ministry of Science and Innovation, ref. RED2022-134656-T

Duration: 2023/05 to 2025/06

Principal Researcher: Mercedes Ruiz

Number of researchers: a group of researchers from 10 Spanish universities: SPI&FM group (U. Cádiz), ISSI research group (U. Politècnica de València), Alarcos research group (U. Castilla-La Mancha), Software product & process improvement group (U. Politècnica de Madrid), GIS group (U. Murcia), Lucentia group (U. Alicante), IWT2 group (U. Sevilla), and SSE@MU group (U. Mondragón).

6. Spanish Network on New Trends in Software Architecture and Variability (TASOVA-PLUS)

Granted by the Spanish Ministry of Science and Innovation, ref. RED2022-134337-T

Duration: 2023/05 to 2025/06

Principal Researcher: David Benavides

Number of researchers: a group of researchers from 10 Spanish universities

7. User eXperience-Driven Cloud Services Adaptation (UX-Adapt)

Granted by the Generalitat Valenciana, Conselleria de Educació, Grant for Consolidable Research Groups, reference AICO 2020

Duration: 2020-01 to 2021-12

Principal Researcher: Emilio Insfran
Number of researchers: 4 researchers from Univ. Politècnica de València and 1 researcher from Université catholique de Louvain (Belgium)

8. Model-Driven Incremental Development of Cloud Services

Microsoft Azure Research Award, Granted by Microsoft (New York, US)
Principal Researcher: Emilio Insfran
Duration: 2013/07 to 2014/07 and 2014/07 to 2015/07
Number of researchers: 8 researchers from the UPV

9. A Formal and Technological Framework for Model Management (META)

Granted by the Ministry of Science and Education (CICYT project), with ref. TIN2006-15175-C05-01.
Duration: 2006/10 to 2009/09
Principal Researcher: Isidro Ramos Salavert
Number of researchers: 15 researchers from Universidad Politècnica de València, Universidad de Castilla-La Mancha, Universidad de Murcia, Universidad Politècnica de Cartagena, and European Software Institute

10. Spanish Network in Technologies for Industrial Software Development (TeDIS)

Granted by the Spanish Min. of Economy and Competitiveness (TIN2011-15009-E)
Duration: 1/07/2012-31/12/2013
Principal Researcher: Juan Manuel Vara (Rey Juan Carlos University).
Number of researchers: 78 partners from Spanish research groups

11. From Requirements to UML Models: A Model-Driven Approach

Granted by the Generalitat Valenciana, Conselleria de Educació.
Duration: 01/01/2008 until 01/01/2009
Principal Researcher: Emilio Insfran
Number of researchers: 3 researchers from Univ. Politècnica de València.

12. Development of E-services for the New Digital Society (DESTINO)

Granted by the Ministry of Science and Education (CICYT project) with funding of FEDER (TIN2004-03534).
Duration: 01/01/2005 until 31/12/2007
Principal Researcher: Vicente Pelechano
Number of researchers: 17 researchers from Universitat Politècnica de València

13. Software Engineering and Home Automation. Analysis and Implementation of Digital Homes

Granted by the Generalitat Valenciana, Grant Number GAE05/013
Duration: 01/01/2005 until 01/01/2006
Principal Researcher: Oscar Pastor
Number of researchers: 6 researchers from Universitat Politècnica de València

14. Spanish Network on Web Services: Engineering, Technologies and Architectures

Granted by the Ministry of Science and Education, with ref. TIN2007-29678-E
Duration: 2008/03 to 2009/03
Principal Researcher: Esperanza Marcos (Rey Juan Carlos University)
Number of researchers: 120 researchers and practitioners.

15. Spanish Network on Model-Driven Software Development (DSDM)

Granted by the Ministry of Science and Education, Grant Number TIN2005-25866E
Duration: 2005 to 2007
Principal Researcher: Antonio Vallecillo (University of Malaga)
Number of researchers: 100 researchers from 15 Spanish universities and 4 companies.

16. Grant to the Logic Programming and Software Engineering Group

Granted by the Valencian Agency of Science and Technology (I+D actions).
Duration: 2003/01 to 2004/01
Principal Researcher: Prof. Isidro Ramos Salavert
Number of researchers: 35

- 17. Spanish Research Consortium for Informatics and Mathematics (SPARCIM)**
 Granted by the Ministry of Science and Technology - CICYT project (Spanish Research Funding Agency), with ref. TIC 2002-10628-E
 Duration: 01/01/2003 until 31/01/2004
 Principal Researcher: M. Alpuente, I. Ramos, E. Pimentel, M. Hermenegildo, J. J. Moreno, J. Larrosa, F. Orejas, and R. S. José, E. Marcos, R. L. de Mántaras.
 Number of researchers: 45 researchers from URJC, UPM, UPC, IIIA/CSIC, UPV, U. Málaga
- 18. Advanced Software Technology for the Software Engineering of the Information Society (TAISSI)**
 Granted by the CICYT (Spanish Research Funding Agency), with ref. TIC2001-3530-C02-01.
 Duration: 27/12/2001 until 27/12/2004
 Principal Researcher: Oscar Pastor López
 Number of researchers: 14
- 19. Web-Oriented Software Technology (WEST)**
 Granted by the CYTED, subprog. VII.18)
 Participating universities: PUC-Rio (Brazil); Brasilia University (Brazil); Federal University of Pernambuco (Brazil); UNLP (Argentina); UTFSM, (Chile); Universitat Politècnica de València (Spain); University of Málaga (Spain); University of Sevilla (Spain); EAFIT University (Colombia); Catholic University of Asunción (Paraguay); University of Porto (Portugal).
 Duration: 2000 to 2003
 Principal Researcher: Oscar Pastor López
 Number of researchers: members of the ibero-american research groups.
- 20. Web Engineering Network of Excellence (WEE-NET)**
 Granted by the European Commission, Alpha EU Project, ref. ALFA II-0359-FA
 Duration: September 2005 – August 2007
 Principal Researcher: Symeon Retalis (Univ. of Piraeus, Greece, project lead)
 Partners: Univ. of Peireus, Politecnico di Milano, Univ. Politècnica de Valencia, Univ. of Trento, Univ. Linz, Univ. Nacional de La Pampa (AR), Univ. Nacional de La Plata (AR), Univ. "Nuestra Senora de la Asuncion" (PY), PUC-Rio (BR)
 Number of researchers: 10 research groups in Web engineering
- 21. Software Quality and Estimation**
 Special Action of the Spanish Ministry of Science and Technology with reference TIC 2002-12274-E.
 Duration: 2004
 Principal Researcher: Oscar Pastor
 Number of researchers: 9
- 22. M-Learning Portal for/based on Web Engineering Techniques**
 Granted by the Socrates European Union Program
 Duration: 2004 to 2007
 Principal Researcher: Oscar Pastor (UPV Node coordinator)
 Number of researchers: 13 research groups in Web Engineering from the European Union.
- 23. Automatic Generation of Software Systems in Object-Oriented Environments**
 Granted by the CICYT (Spanish Research Funding Agency), FEDER program, con ref. TIC 1FD97-1102
 Duration: 1999 to 2001
 Principal Researcher: Oscar Pastor
 Number of researchers: 13
- 24. Object-Oriented Software Reengineering (OOSR)**
 Granted by the National Research Council of Brazil (CNPq), RHAE Program
 Organism: Federal University of São Carlos, Brazil
 Duration: September 1996 until September 1998
 Principal Researcher: Antonio Francisco do Prado
 Number of researchers: 8

**Industry-
Sponsored
Research
Projects**

Participation in the Role of Principal Researcher (5):

- 1. Analysis of Software Product Line Quality Attributes**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: Rolls-Royce Plc. (UK) & Univ. Politècnica de València
Duration: 2011/04 to 2011/09
Principal Researcher: Silvia Abrahão
Number of researchers: 3
- 2. Usability Evaluation in Model-Driven Architecture Environments**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE Technologies S.A & Univ. Politècnica de València
Duration: 2006/03 to 2007/03
Principal Researcher: Silvia Abrahão
Number of researchers: 3
- 3. Evaluation of Web Services-based Development Process**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE Technologies S.A & Univ. Politècnica de València
Duration: 2005/12 to 2006/12
Principal Researcher: Silvia Abrahão
Number of researchers: 3
- 4. Quality of Conceptual Models**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE Technologies S.A & Univ. Politècnica de València
Duration: 2004/01 to 2005/02
Principal Researcher: Silvia Abrahão
Number of researchers: 2
- 5. Estimating the Functional Size of Object-Oriented Systems from Conceptual Models**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE Technologies & Universitat Politècnica de València
Duration: 2003/02 to 2004/01
Principal Researcher: Silvia Abrahão
Number of researchers: 2

Participation in the Role of Researcher (5):

- 1. Testing and Implantation of a Requirements Engineering Method**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE Technologies S.A & Univ. Politècnica de València
Duration: 2004/01 to 2006/05
Principal Researcher: Emilio Insfrán
Number of researchers: 3
- 2. Automatic Production of Software from Organizational Models**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CONSOFT S.A. & Universitat Politècnica de València
Duration: 2003/01 to 2004/05
Principal Researcher: Oscar Pastor
Number of researchers: 16
- 3. Requirements Models for Information Systems**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE- Technologies & Universitat Politècnica de València
Duration: 2001/10 to 2004/01
Principal Researcher: Emilio Insfrán
Number of researchers: 5
- 4. Advanced OO-Method**
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CONSOFT S.A. & Universitat Politècnica de València
Duration: 2002/12 to 2003/12

Principal Researcher: Oscar Pastor
Number of researchers: 9

5. Requirements Modeling for Conceptual Models Generation

Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE Technologies S.A & Univ. Politècnica de València
Duration: 2000/03 to 2001/09
Principal Researcher: Emilio Insfrán
Number of researchers: 6

Publications

Edited Proceedings (15):

1. Insfran E. Gonzalez F., Abrahão S., Fernández M., Barry C., Lang M., Linger H., Schneider C. (Eds.) Information Systems Development: Crossing Boundaries between Development and Operations in Information Systems. Selected Papers from ISD 2021, the 28th Information Systems Development conference, Valencia, Spain. Lecture Notes in Information Systems and Organisation Vol 55, ISBN 978-3-030-95353-9, Springer 2022.
2. Insfran E. Gonzalez F., Abrahão S., Fernández M., Barry C., Lang M., Linger H., Schneider C. (Eds.) Information Systems Development: Crossing Boundaries between Development and Operations (DevOps) in Information Systems (ISD2021 Proceedings), Valencia, Spain, September 8-10, 2021. Universitat Politècnica de València / Association for Information Systems (AIS) 2021. <https://aisel.aisnet.org/isd2014/proceedings2021>
3. Abrahão, S. (Ed.), Proceedings of the 25th Spanish Conference on Software Engineering and Databases (JISBD 2021). Málaga, September 2021, SISTEDES Digital library. <https://biblioteca.sistedes.es/biblioteca/conferencias/jisbd/jisbd-2021-malaga/>
4. Syriani E., Sahraoui H. A., Lara J., Abrahão S. Proceedings of the ACM/IEEE 23rd International Conference on Model Driven Engineering Languages and Systems (MODELS 2020), Virtual Event, Canada, 18-23 October, 2020, ISBN 978-1-4503-7019-6, ACM 2020.
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¹ CORE Conference Ranking: <http://core.edu.au/>

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2. Souza E., Moreira A., Abrahão S., Araújo J., Insfrán E. Comparing Value-Driven Methods: An Experiment Design, *2nd International Workshop on Human Factors in Modeling (HuFaMo'16)*, co-located with ACM/IEEE 19th International Conference on Model Driven Engineering Languages and Systems (MODELS 2016), Saint-Malo, France, October 2-7, 2016.
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10. 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, 30 Sept. – 02 Oct., Oslo, Norway.
11. Abrahão S., De Marco L., Ferrucci F., Gravino C., Sarro F., A COSMIC Measurement Procedure for Sizing Web Applications Developed using the OO-H Method, Proc. of the *International Workshop on Advances in Functional Size Measurement and Effort Estimation*, co-located with the 24th European Conf. on Object-Oriented Programming (ECOOP 2010), Maribor, Slovenia, June 21-22, 2010, ISBN: 978-1-4503-0539-6, ACM New York.
12. Fernández A., Insfran E., Abrahão S. Towards a Usability Evaluation Process for Model-Driven Web Development, Proceedings of the *2nd International Workshop on the Interplay between Usability Evaluation and Software Development (I-USED 2009)*, co-located with INTERACT 2009, Uppsala, Sweden, August 24th, 2009, CEUR-WS.org 2009.
13. Insfran E., Carsí J. A., Abrahão S., Genero M., Piattini M., Ramos I. Towards Quality-Driven Model Transformations: A Replication Study, Proceedings of the *International Workshop on Empirical Studies of Model-Driven Engineering (ESMDE 2008)*, co-located with MODELS 2008, Toulouse, France, September 29, 2008, CEUR Workshop Proceedings Vol. 392, E. Arisholm, L. Briand and B. Anda (Eds.), ISSN 1613-0073.

14. España S., Pederiva I., Panach J. I., Abrahão S., Pastor O. Usability Evaluation in a Model-Driven Development Environment, *9th Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS 2006)*, La Plata, Argentina, April 2006.
15. Condori-Fernández N., Abrahão S., Pastor O. The Problem of Data Movement Duplicity in a Software Measurement Procedure, *9th Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS 2006)*, La Plata, Argentina, April 2006.
16. Abrahão S., O. Pastor, and Olsina L., A Quality Model for Early Usability Evaluation, *INTERACT International COST 294 Workshop on User Interface Quality Models*, Rome, Italy, September 2005.
17. Condori-Fernández N., Abrahão S., Pastor O. Validating the Design of a Functional Size Measurement Procedure, *8th Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS 2005)*, Valparaiso, Chile, May 2005, ISBN 956-7051-07-0 (in Spanish).
18. Abrahão S., Poels, G. and Pastor O. Validation Issues in Functional Size Measurement of Object-Oriented Conceptual Schemas: The Case of OOmFP, *8th ECOOP Workshop on Quantitative Approaches in Object-Oriented Software Engineering (QAOOSE 2004)*, Oslo, Norway, June 2004.
19. Condori-Fernandez N., Abrahão S., and Pastor O. An Experience on the Theoretical Validation of Software Metrics, *7th Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS 2004)*, Arequipa, Perú, May 2004.
20. Abrahão S., Condori, N. and Pastor, O. An Experimental Design for Evaluating Functional Size Measurement Methods, *International Workshop on Software Quality and Estimation (IWSQE 2003)*, Denia, Spain, May 2003.
21. Abrahão S., Condori, N. Pastor, O. Early Metrics for Assessing the Maintainability of Web Applications: An Empirical Study, *International Workshop on Software Quality and Estimation (IWSQE 2003)*, Denia, Spain, May 2003.
22. Abrahão S., Olsina L. and Pastor O. Towards the Quality Evaluation of Functional Aspects of Operative Web Applications, *International ER'02 Workshop on Conceptual Modeling Quality (IWC MQ 2002)*, Tampere, Finland, October 2002. M. Genero, F. Grandi, W. van den Heuvel, J. Krogstie, et al. (Eds.), *Lecture Notes in Computer Science 2784*, ISSN: 0302-9743, ISBN 3-540-20255-2, Springer-Verlag, pp. 325-338.
23. González, M., Cernuzzi, L., Abrahão S., and Fons J. J. Evaluation of Development Methods for Web applications: A Comparative Analysis, *5th Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS 2002)*, La Habana, Cuba, April 2002. Miguel Katrib et al. (Eds.), ISBN 959-7160-14-5.
24. Moody D., Abrahão S., and Pastor, O. Comparative Evaluation of Software Estimation Methods: An Experimental Analysis, *International Workshop on Software Quality and Estimation (IWSQE 2002)*, Spain, September 2002.
25. Abrahão S., Olsina L., Pastor O. A Methodology for Evaluating Quality and Functional Size of Operative Web Applications, *2nd International Workshop on Web Oriented Software Technology (IWWOST 2002)*, ECOOP'02 Workshops, Málaga, Spain, June 2002, D. Schwabe, O. Pastor, G. Rossi, L. Olsina (eds.), ISBN: 84-931538-9-3, pp. 1-20.
26. Pastor O., Fons J. J., Abrahão S. M., Ramon S. An Object-Oriented Approach for the Development of Web Applications. *4th Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS 2001)*, San José, Costa Rica, April 2001, ISBN 9968-32-000, pp. 239-251. (In Spanish).
27. Pastor O., Fons J. J., Abrahão S. M., Albert M., Campos E. OOWS: An approach for the Conceptual Modeling of Web Applications, *8th Ibero-american Workshop on Informatics: Software Technologies for Web Environments*, Cartagena de Indias, Colombia, August 2000.
28. Abrahão S., Prado A. F. Web-Enabling Legacy Systems through Software Transformations, *IEEE International Workshop on Advance Issues of E-Commerce and Web-Based Information System (WECWIS'1999)*, ISBN: 0-7695-0334-9, IEEE Press, Santa Clara-CA, USA, April 1999.

29. Abrahão S., Murakami E., Prado A. F., Sant'Anna M. Developing Infra-structure for the Development of Transformational Circuits, *Workshop on Computer Science*, San Juan, Argentina, 1999. (In Portuguese).

Refereed National Conference Publications (30):

1. Gaspar-Figueiredo, D., Diego-Fernández M., Abrahão S., Insfran E., Nuredini R. Integrating Human Feedback to Guide Intelligent Adaptation of User Interfaces. Proceedings of the 28th Spanish Conference on Software Engineering and Databases (JISBD 2024), A Coruña, 2024.
2. Guerrón X., Abrahão S. Insfran E., Fernandez-Diego M., Diaz E. Comparing the Accuracy of LSTM Models for Quality of Service Prediction: A Quasi-Experiment. Proceedings of the 28th Spanish Conference on Software Engineering and Databases (JISBD 2024), A Coruña, 2024.
3. Andrade T., Silva da Silveira D., Insfran E., Abrahão S. On the Quantification of Stakeholder's Perceived Value in BPMN Process Models. Proceedings of the 28th Spanish Conference on Software Engineering and Databases (JISBD 2024), A Coruña, 2024.
4. Gaspar-Figueiredo, D., Abrahão S., Insfran E., Diego-Fernández M. Reinforcement Learning Agent's Environment to Adapt User Interfaces. Proceedings of the 27th Spanish Conference on Software Engineering and Databases (JISBD 2023), Ciudad Real, 2023.
5. Llorens F. C., Gaspar-Figueiredo, D., Abrahão S., Insfran E. Analysis of Facial Expressions for the Intelligent Adaptation of User Interfaces. Proceedings of the 27th Spanish Conference on Software Engineering and Databases (JISBD 2023), Ciudad Real, 2023.
6. Gaspar-Figueiredo, D., Abrahão S., Insfran E. Towards a Framework for the Intelligent Adaptation of User Interfaces. Proceedings of the 26th Spanish Conference on Software Engineering and Databases (JISBD 2022), Santiago de Compostela, 2022.
7. Cano-Genoves C., Abrahão S., Insfran E. Value-based Goal Models Analysis. Proceedings of the 26th Spanish Conference on Software Engineering and Databases (JISBD 2022). Santiago de Compostela, 2022.
8. Gómez-Muñoz L., Abrahão S., Insfran E. Towards an Adaptation Framework for Micro-services and Containers, Proceedings of the 16th National Conference on Services Science and Engineering (JCIS 2021), Málaga, September 2021.
9. Cano-Genoves C., Insfran E., Abrahão S., Fernández-Diego M., González-Ladrón-de-Guevara F. A Value-Based Approach for Prioritizing Alternatives in Goal Models. Pérez-Benedí, J. (Ed.), Proceedings of the 24th Spanish Conference on Software Engineering and Databases (JISBD 2019). Cáceres, September 2019.
10. Guerrón X., Abrahao S., Insfran E. Metrics for Internal and External Quality of Cloud Services: A Mapping Studies, Pérez-Benedí, J. (Ed.), Proceedings of the 24th Spanish Conference on Software Engineering and Databases (JISBD 2019). Cáceres, Sept 2019.
11. Sandobalin, J., Insfrán E., Abrahão S. A Model-driven Migration Approach among Cloud Providers, Lama Penín, M. (Ed.), Proceedings of the 14th National Conference on Services Science and Engineering (JCIS 2018). Seville, September 2018. **Best paper award.**
12. Sandobalín-Guamán J., Insfrán E., Abrahão S. Automating Infrastructure Provisioning in the Cloud, 13th National Conference on Services Science and Engineering (JCIS 2017), San Cristóbal de La Laguna, Tenerife, 19 al 21 de Julio de 2017, In: SISTEDES digital library (In Spanish). *Best paper award.*
13. Cedillo P., Insfran E., Abrahão S. Evaluating a Monitoring Method for Cloud Services: An Internal Replication, 22th Spanish Conference on Software Engineering and Databases (JISBD 2017), San Cristóbal de La Laguna, Tenerife, 19 al 21 de Julio de 2017, In: SISTEDES digital library (In Spanish).
14. Sandobalín-Guamán J., Zuñiga-Prieto M. A., Insfrán E., Abrahão S. A DevOps approach for Model-Driven Development of Cloud Services, 12th National Conference on Services Science and Engineering (JCIS 2016), Salamanca, September 2016.

15. Cedillo P., Jimenez-Gomez J., Abrahão S., Insfran E. Defining Personalized Mechanisms for Cloud Services Monitoring, 11th National Conference on Services Science and Engineering (JCIS 2015), Santander, September 2015.
16. Zúñiga M. A., Abrahão S., Insfran E. A UML Profile for Modeling the Integration of Cloud Services in Incremental Development Processes, 11th National Conference on Services Science and Engineering (JCIS 2015), Santander, September 2015.
17. 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), 29 Sept. – 4 Oct., Brasília, Brazil, IEEE Computer Society, 978-0-7695-5156-22013. **Best paper award.**
18. González-Huerta J., Abrahão S., Insfran 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, 978-84-695-8310-4, pp. 427-440.
19. Abrahão S., Gravino C., Insfran E., Scanniello G., Tortora G. On the Effectiveness of UML Sequence Diagrams in the Comprehension of Functional Requirements, *18th Spanish Conference on Software Engineering and Databases (JISBD 2013)*, Track Relevant papers already published; Madrid, 18-20 Sept. 2013, 978-84-695-8310-4, pp. 239-240.
20. Juristo N., Vegas S., Solari M., Abrahão S., Ramos I. Studying the Effectiveness of Three Code Evaluation Techniques: results from a series of Experiments, *16th Spanish Conference on Software Engineering and Databases (JISBD 2011)*, A Coruña, 5-7 Sept. 2011, 978-84-9749-486-1, pp. 347-360 (In Spanish).
21. González-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, *16th Spanish Conference on Software Engineering and Databases (JISBD 2011)*, A Coruña, 5-7 Sept. 2011.
22. Fernández A., Abrahão S., Insfran E. Usability in Model-Driven Web: Results from an Controlled Experiment, *15th Spanish Conference on Software Engineering and Databases (JISBD 2010)*, Valencia, Spain, 7-10 Sept 2010, S. Abrahao & E. Teniente (Eds.), 978-84-92812-51-6, pp. 121-132.
23. Montagud S., Abrahão S. Systematic Review of Quality Metrics for Software Product Lines, *14th Spanish Conference on Software Engineering and Databases (JISBD 2009)*, San Sebastián, Spain, Sept 2009, A. Vallecillo & G. Sagardui (Eds.), ISBN 978-84-692-4211-7, pp. 275-280.
24. Cachero C., Insfran E., Abrahão S., Poels G. A Metamodeling Approach for Evaluating the Quality of Web Development Processes. *12th Spanish Conference on Software Engineering and Databases (JISBD 2007)*, Zaragoza, Spain, Sept 2007.
25. Abrahão S., Insfran E. Applying Experimental Methods in a Software Development Course, *National Symposium of Information Technologies and Communications in the Education (SINTICE 2007)*, Zaragoza, Spain, September 2007, ISBN 978-84-9732-5974, Thomson Editorial.
26. Abrahão S., Insfran E., Vanderdonck J. Integrating Usability in MDA Processes: Proposal and Empirical Study, *11th Spanish Conference on Software Engineering and Databases (JISBD 2006)*, Sitges, Spain, October 2006, CINME Barcelona Publishers, pp. 23-33. ISBN: 84-95999-99-4.
27. Ortiz, J. C., Condori-Fernandez, N., Abrahão S., A Usability Framework for the Evaluation of Software Applications Produced by the OlivaNova Model Execution Technology, *6th Spanish Congress of Human-Computer Interaction (INTERACCIÓN 2005)*, Granada, Sept 2005, ISBN: 84-9732-436-6, pp. 171-180; Thomson Ed. Spain.
28. Condori-Fernández N., Pastor O. Abrahão S., Martí S. A Functional Size Measurement Procedure for Software Applications based on a Requirements Model, *5th National Congress of Software Metrics and Process for Information Systems (CNPMSI 2004)*, Madrid, 17-18 November 2004.

29. Abrahão S. M., Pastor O., Olsina L. and Fons J. J. A Method for Measuring Functional Size and Evaluating the Quality of Web Sites, *6th Spanish Conf. Software Engineering and Databases (JISBD 2001)*, Almagro, Spain, November 2001, Oscar Díaz, Arantza Illarramandi, Mario Piattini (Eds.), ISBN 84-699-6275-2, pp. 478-491.
30. Abrahão S. M., Fons J. J., González M., Pastor O., Pelechano V. An Object-Oriented Method for the Design of E-Commerce Applications. In *New Methods and Tools Supporting E-Commerce – Proc. of the ZOCO Meeting*. Corchuelo, R., Ruiz, A., Pérez, J.A. (Eds.), ISBN: 84-96086-02-X, 2002.

Keynote Talks:

1. Abrahão S. Quality assurance in model-driven development: a Multimodeling approach. Invited Speech at 2nd International Conference on Model-Driven Engineering and Software Development (MODELSWARD 2014), Lisbon, Portugal, January 7-9, 2014.
2. Abrahão S. Bridging the Gap between Model-driven Development and Web Project Estimation. Invited Speech at the *Workshop on Web Quality, Verification and Validation*, co-located with the 7th International Conference on Web Engineering (ICWE 2007), Como, Italy, July 16, 2007, 978-88-902405-2-2, pp. 321-322.
3. Abrahão S. Early Life-Cycle Estimation for Web Projects. Invited Speech at the *Australian Conference on Software Measurement (ACOSM 2005)*, co-located with the 2005 Empirical Software Engineering International Week, Organized by ASMA (Australian Software Metrics Conference), Noosa Heads, Australia, 17-18 Nov 2005.
4. Abrahão S. Metrics for Estimating the Quality of Web Projects, Invited Speech at the 2nd Software Engineering Conference, Organized by IS8 Component of Software Engineering & IEEE Computer Society, Guayaquil, Ecuador, 29-30 Sept 2005, In the Conference Magazine: ISSN 1390-292X.
5. Abrahão S. OOWS: An Approach for the Conceptual Modeling of Web Applications (in Spanish) 11th National Congress Computer Science, Software Engineering, Medellín, Colombia, March 2002 (in Spanish).

Selected Invited Conferences:

1. Abrahão S. Empirical Methods in Software Engineering: Guidelines and Practical Examples, Invited talk at University of Málaga, Master Program in Software Engineering and Artificial Intelligence, December 2021 and December 2020.
2. Abrahão S. On the effectiveness of goal-oriented modeling languages: Value@GRL vs. i *, Invited talk at the David R. Cheriton School of Computer Science, University of Waterloo, Canada, January 2019.
3. Abrahão S. Monitoring the quality of cloud services using models@runtime, Invited talk at the Université catholique de Louvain, Belgium, November 2017.
4. Abrahão S. Monitoring the quality of cloud services using models@runtime, Invited talk at the Department of Computer Science, University of Bari Aldo Moro, Italy, Jan 11 2017.
5. Abrahão S. “A Multimodeling Approach for Architecture Derivation and Evaluation” at the Modularity and Software Architecture at PUC-RIO, Brazil, March 18, 2013.
6. Insfran E., Abrahão S. Multiple Views and Relationships for Quality Driven Architecture with AADL, AADL Standards Meeting, co-located with the SAE 2012 Power Systems Conference, Oct 30-Nov 1, 2012, Phoenix, AZ, USA.
7. Abrahão S. Evaluating Functional Size Measurement Methods: Theoretical and Practical Issues, Invited conference at U. Rey Juan Carlos, Madrid, Spain, 2007.
8. Abrahão S. Estimating Web Projects: Project Size Measurement and Indicators Generation. Invited Speech at 2nd Software Engineering Conference, Organized by IS8 Component of SE & IEEE Computer Society, Guayaquil, Ecuador, 29-30 Sept 2005, In Conf. Magazine: ISSN 1390-292X.
9. Abrahão S. Empirical Evaluation of Functional Size Measurement Method (in Spanish) Experience Exchange Session of the Spanish Association of Software Metrics. In

conjunction with the presentation of the International Software Benchmarking Standards Group (ISBSG) repository by Peter Hill. Tech University of Madrid, Spain, Sept 2003.

10. Abrahão S. Metrics for Web Applications: Theoretical and Empirical Validation (in Spanish) 2003 Annual Conference of the Spanish Association of Software Metrics, Madrid, Spain, October 2003 (in Spanish).
11. Abrahão S. A Sizing Approach for Web Applications 2002 Annual Conference of the Spanish Association of Software Metrics (AEMES 2002), Madrid, Spain, Nov 2002.
12. Abrahão S. Estimating the Software Functional Size from Object-Oriented Conceptual Schemas 2001 Annual Conference of the Spanish Association of Software Metrics (AEMES 2001), Madrid, Spain, October 2001(in Spanish).

Working Papers and Technical Reports:

- Abrahão S., Poels G. A Family of Experiments to Evaluate a Functional Size Measurement Procedure for Web Applications, WP 2007/466, Faculty of Economics and Business Administration - Ghent University, Belgium, May 2007, 30 p.
- Abrahão S., Poels G. and Pastor O. A Functional Size Measurement Method for Object-Oriented Conceptual Schemas: Design and Evaluation Issues, *Working paper 2004/233 at Faculty of Economics and Business Administration*, Ghent Univ, Belgium, 2004, 48 p.
- Abrahão S., Poels G. and Pastor O. Comparative Evaluation of Functional Size Measurement Methods: An Experimental Analysis, *WP 2004/234, Faculty of Economics and Business Administration - Ghent University*, Belgium, Feb. 04, 50 p.
- García, F., Ruiz, F., Bertoa, M. F., Calero, C., Genero, M., Olsina, L., Martín, M., Quer, C., Condori, N., Abrahão S., Vallecillo, A., Piattini, M. An Ontology for Software Measurement, *Technical Report UCLM DIAB-04-02-2* (in Spanish), University of Castilla-La Mancha, ISBN: 84-688-5427-1.

Research Project / Grant Application
Evaluation Committees

- **State Research Agency (Agencia Estatal de Investigación – AEI)** from the Ministry of Science and Innovation, Member of Project Evaluation Committees, since 2022.
- **European Commission, EIC Pathfinder OPEN 2023, Horizon 2020, ICT calls on Software Technology**, Member of Project Evaluation Committee, 2016-2018 and 2023-....
- **European Commission, Unit C2 - Future and Emerging Technologies (FET)**, Member of Project Evaluation Committees, since 2012.
- **Israel Science Foundation (ISF)**, Member of Project Evaluation Committee, 2013.
- **Natural Sciences and Engineering Research Council of Canada (NSERC/NRSNG)**, Member of Project Evaluation Committees, since 2015.
- **NILS Science and Sustainability Programme** (<http://www.nilsmobilityproject.es>), Member of Project Evaluation Committee, 2014.
- **National Agency of Quality Evaluation and Accreditation (ANECA)**, Member of the Expert Panel for the ACADEMIA Program (Assessment of University Academic Staff), since 2014.
- **Spanish Agency of Evaluation and Prospective (ANEP)**, Member of Project Evaluation Committee, Spain, since 2008.
- **Comunidad de Madrid, Conserjería de Educación, Universidades, Ciencia y Portavocía**, Grants for Attracting Research Talent for Incorporation into Research Groups in the Community of Madrid, since 2022.
- **Andalusian Knowledge Agency (DEVA)**, Member of Project Evaluation Committee, Spain, since 2020.

Steering Committee (SC) Membership:

- **MODELS:** ACM/IEEE International Conference on Model Driven Engineering Languages and Systems, SC member 2012 to 2018 and 2023 to date, SC Vice-Chair: 2019/10 to 2020/10 and SC Chair: 2020/10 to 2022/10.
- **HuFaMo:** International Workshop on Human Factors in Modeling / Modeling of Human Factors, co-located with MODELS, since 2022.
- **QWE:** International Workshop on Quality in Web Engineering, co-located with the International Conference on Web Engineering (ICWE), 2011-2013.
- **JISBD:** Spanish Conference on Software Engineering and Databases, since 2010.

Program Committee Membership – 2025:

- **ICSE 2025:** IEEE/ACM 47th International Conference on Software Engineering, April 26-May 4, 2025, Ottawa, Canada (PC member within the Technical track).

Program Committee Membership – 2024:

- **ICSE 2024:** IEEE/ACM 46th International Conference on Software Engineering, April 12-21, 2024, Lisbon, Portugal (PC member within the Technical track).
- **DocSymp@ICSE 2024:** Doctoral Symposium at IEEE/ACM 46th International Conference on Software Engineering, April 12-21, 2024, Lisbon, Portugal.
- **WSESE@ICSE 2024:** International Workshop on Methodological Issues with Empirical Studies in Software Engineering, co-located with ICSE 2024, April 12-21, 2024, Lisbon, Portugal.
- **MODELS 2024:** ACM/IEEE 26th International Conference on Model Driven Engineering Languages and Systems, Linz, Austria, 22-24 September 2024 (Steering Committee member, Program Board member)
- **ICPC 2024:** 32nd IEEE/ACM International Conference on Program Comprehension, April 14-18, Lisbon, Portugal (PC member within the Replications and Negative Results track).
- **EASE 2024:** 26th International Conference on Evaluation & Assessment in Software Engineering, 18-21 June 2024, Salerno, Italy.
- **JISBD 2024:** 27th Spanish Conference on Software Engineering and Databases, La Coruña, Spain, June 17-24, 2024.
- **JENUI 2024:** 29th Spanish Conference on Informatics Education, La Coruña, Spain, June 17-24, 2024.

Program Committee Membership – 2023:

- **MODELS 2023:** ACM/IEEE 26th International Conference on Model Driven Engineering Languages and Systems, Västerås, Sweden, 1-6 October 2023 (Steering Committee member, Program Board member)
- **ESEM 2023:** 17th International Symposium on Empirical Software Engineering and Measurement, Mon 23 - Fri 27 October 2023 New Orleans, United States (Doctoral Symposium track).
- **ISD 2023:** 31st International Conference on Information Systems Development, Aug 30– Sep 1, 2023. Lisbon, Portugal.
- **JISBD 2023:** 26th Spanish Conference on Software Engineering and Databases, Ciudad Real, Spain, September 12-14, 2023.
- **JENUI 2023:** 28th Spanish Conference on Informatics Education, Granada, Spain, July 5-7, 2023.

Program Committee Membership – 2022:

- **ICSE 2022:** 44th International Conference on Software Engineering, May 21-29, 2022, Pittsburgh, USA (PC member within the Technical track).

- **MODELS 2022:** ACM/IEEE 24th International Conference on Model Driven Engineering Languages and Systems, Montreal, Canada. 16-21 October 2022 (Program Board member, Program Committee within the ACM Student Research Competition-track).
- **ASE 2022:** 37th IEEE/ACM International Conference on Automated Software Engineering, 2-7 October 2022 Ann Arbor, Michigan, United States (PC member within the Technical track).
- **ESEM 2022:** 16th International Symposium on Empirical Software Engineering and Measurement, Mon 19 - Fri 23 September 2022 Helsinki, Finland (Full Paper track).
- **EASE 2022:** 26th International Conference on Evaluation & Assessment in Software Engineering, 13-15 June 2022 Göteborg, Sweden (Full paper track, Industrial track and Vision papers and emerging results track).
- **ISD 2022:** 30th International Conference on Information Systems Development, Aug 31, 2022 - Sep 2, 2022. Cluj-Napoca, Romania.
- **QUATIC 2022:** 15th International Conference on the Quality of Information and Communications Technology, Quality Aspects in Modeling and Low Code Environments Track, Talavera de la Reina, Spain, Sept 12-14, 2022.
- **JENUI 2022:** 27th Spanish Conference on Informatics Education, A Coruña, Spain, July 2022.

Program Committee Membership – 2021:

- **MODELS 2021:** ACM/IEEE 23rd International Conference on Model Driven Engineering Languages and Systems, Fukuoka, Japan. 10-15 October 2021 (Program Board member)
- **ESEM 2021:** 15th International Symposium on Empirical Software Engineering and Measurement, Bari, Italy, September 11th-15th, 2021 (Full Paper track, Registered Reports track).
- **ECMFA 2021:** 17th European Conference on Modeling Foundations and Applications, June 21-25, 2021, Bergen, Norway.
- **EASE 2021:** 25th International Conference on Evaluation & Assessment in Software Engineering, Trondheim, Norway, 21-23 June, 2021 (Vision papers and emerging results track)
- **EmpER 2021:** 4th Int. Workshop on Empirical Methods in Conceptual Modeling, co-located with ER 2021, St. John's, Canada, Oct 18-21.
- **JENUI 2021:** 27th Spanish Conference on Informatics Education, Valencia, Spain, July 7-9, 2021.

Program Committee Membership – 2020:

- **ESEM 2020:** 14th International Symposium on Empirical Software Engineering and Measurement, Bari, Italy, September 11th-15th, 2021 (Full Paper track).
- **ICSE 2020:** 42nd ACM/IEEE International Conference on Software Engineering, Seoul, South Korea, 23-29 May 2020 (Artifact Evaluation track, European Virtualization team)
- **MODELS 2020:** ACM/IEEE 23rd International Conference on Model Driven Engineering Languages and Systems, Montreal, Canada. 16-23 October 2020 (10-year Most Influential Paper Award Chair)
- **DocSymp@MODELS 2020:** Doctoral Symposium at MODELS 2020, Montreal, Canada, October 16-23, 2020.
- **ESEM 2020:** 14th International Symposium on Empirical Software Engineering and Measurement, Bari, Italy, September 8-9, 2020 (Full Paper track).
- **EASE 2020:** 24th International Conference on Evaluation & Assessment in Software Engineering, Trondheim, Norway, 15-17 April, 2020 (Vision papers and emerging results track)
- **XP 2020:** 21st International Conference on Agile Software Development, June 8-12, Copenhagen, Denmark (XP 2020 On-site research track)
- **JENUI 2020:** 26th Spanish Conference on Informatics Education, Valencia, Spain, July 8-10, 2020.

Program Committee Membership – 2019:

- **ICSE 2019:** 41st ACM/IEEE International Conference on Software Engineering, Montréal, Canada 25 -31 May 2019 (Artifact Evaluation track)
- **MODELS 2019:** ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems, Munich, Germany. September 2019 (Program Board, 10-year MIP Award Chair, Posters Selection Committee).
- **ESEM 2019:** 13th International Symposium on Empirical Software Engineering and Measurement, Porto de Galinhas, Brazil, September 19th-20th, 2019 (Full Paper track, Emerging Results and Vision Papers).
- **EASE 2019:** 23rd International Conference on Evaluation & Assessment in Software Engineering, Copenhagen, Denmark, 15-17 April, 2019 (Full paper track)
- **DocSymp@MODELS 2019:** Doctoral Symposium at MoDELS 2019, Munich, Germany, Sept 17, 2019.
- **ISD 2019:** 28th International Conference on Information Systems Development, Toulon, France, August 28-30, 2019 (Managing Information Systems Development track)
- **PROFES 2019:** 20th International Conference on Product-Focused Software Process Improvement (PROFES 2019), Barcelona, Spain, November 27- 29, 2019 (Full Paper track, Industry track).
- **SEAA 2019:** 45th EUROMICRO Conference on Software Engineering and Advanced Applications, Software Process and Product Improvement (SPPI track), August 28-30, 2019, Kallithea, Greece.
- **ICWE 2019:** 19th International Conference on Web Engineering, Daejeon, Korea, June 11 - 14, 2019.
- **EmpER 2019:** 2nd International Workshop on Empirical Methods in Conceptual Modeling, co-located with 38th International Conference on Conceptual Modeling (ER 2019), Salvador, Bahia, Brazil, Nov 4-7, 2019.
- **JISBD 2019:** 24th Spanish Conference on Software Engineering and Databases, Cáceres, Spain, September 2-4, 2019.
- **JENUI 2019:** 25th Spanish Conference on Informatics Education, Murcia, Spain, June 3-5, 2019.

Program Committee Membership – 2018:

- **MODELS 2018:** ACM/IEEE 21st International Conference on Model Driven Engineering Languages and Systems, Copenhagen, Denmark 14.-19. October 2018 (Program Board, Posters Selection Committee).
- **ESEM 2018:** 12th International Symposium on Empirical Software Engineering and Measurement, Oulu, Finland, October 11-12, 2018 (Full Paper track, Emerging Results track).
- **EASE 2018:** 22nd International Conference on Evaluation & Assessment in Software Engineering, 28 & 29 June 2018 in Christchurch, New Zealand (full paper track).
- **AVI 2018:** 12th International Working Conference on Advanced Visual Interfaces, Grosseto (Italy), 29 May – 01 June, 2018 (Associate Chair).
- **ICWE 2018:** 17th International Conference on Web Engineering, Cáceres, Spain, 5-8 June, 2018.
- **EICS 2018:** The 10th ACM SIGCHI Symposium on Engineering Interactive Computing Systems, 19-22 June, 2018 - Paris, France (Emerging Results track)
- **SEAA 2018:** 44th EUROMICRO Conference on Software Engineering and Advanced Applications, Software Process and Product Improvement (SPPI track), August 29-31, 2018, Prague, Czech Republic.
- **ISD 2018:** 27th International Conference on Information Systems Development, Lund, Sweden, August 22-24, 2018 (Managing Information Systems Development track)
- **MiSE 2018:** 10th Workshop on Modelling in Software Engineering, co-located with ICSE 2018, Gothenburg, Sweden, May 2018.
- **CESI 2018:** 6th International Workshop on Conducting Empirical Studies in Industry, co-located with ICSE 2018, Gothenburg, Sweden, June 2018.

- **WSESE 2018:** 1st International Workshop on Methodological Issues with Empirical Studies involving Human Subjects, co-located with ICSE 2018, Gothenburg, Sweden, May 29, 2018.
- **SECM 2018:** 2nd International Workshop on Software Engineering Curricula for Millennials, co-located with ICSE 2018, Gothenburg, Sweden, June 2, 2018.
- **EmpER 2018:** International Workshop on Empirical Methods in Conceptual Modeling, co-located with ER 2018, Xi'an, China, October 22-25.
- **SBES 2018:** 302h Brazilian Symposium on Software Engineering, Sao Carlos-SP, Brazil, September 17-21, 2018.
- **JENUI 2018:** 23th Spanish Conference on Informatics Education, Barcelona, Spain, July 4-6, 2018.

Program Committee Membership – 2017:

- **INTERACT 2017:** 16th IFIP TC13 Conference on Human-Computer Interaction, Mumbai, India, September 25-29, 2017.
- **MODELS 2017:** ACM/IEEE 20th International Conference on Model Driven Engineering Languages and Systems, Austin, Texas, Sept 17-22, 2017.
- **EduSymp@MODELS 2017:** 13th Educators Symposium at MoDELS 2017, Austin, Texas, Sept 17-22, 2017.
- **DocSymp@MODELS 2017:** Doctoral Symposium at MoDELS 2017, Austin, Texas, Sept 17-22, 2017.
- **DocSymp@ICSE 2017:** ACM/IEEE 39th International Conference on Software Engineering, May 23, 2017 in Buenos Aires, Argentina.
- **EASE 2017:** 20th International Conference on Evaluation & Assessment in Software Engineering, 15-16 June 2017, Karlskrona, Sweden (short paper track).
- **PROFES 2017:** 18th International Conference on Product-Focused Software Process Improvement (PROFES 2017), Innsbruck, Austria, November 30-December 1, 2017.
- **ESEM 2017:** 11th International Symposium on Empirical Software Engineering and Measurement, Toronto, Canada, November 9-10, 2017 (short paper track).
- **IDoESE 2017:** 15th International Doctoral Symposium on Empirical Software Engineering, November 8, 2017, Toronto, Canada (Board of Advisors)
- **SEAA 2017:** 43th EUROMICRO Conference on Software Engineering and Advanced Applications, Software Process and Product Improvement, August 30-September 3, 2017, Vienna, Austria (SPPI and SM tracks).
- **ICWE 2017:** 16th International Conference on Web Engineering, Rome, Italy, 5-8 June, 2017 (PC member and Workshop Selection Committee).
- **ISD 2017:** 26th International Conference on Information Systems Development, Larnaca, Cyprus, 6-8 September, 2017.
- **CESI 2017:** 5th International Workshop on Conducting Empirical Studies on Industry, co-located with the 38th International Conference on Software Engineering (ICSE 2017), Buenos Aires, Argentina, May 17, 2016.
- **SECM2 017:** International Workshop on Software Engineering Curricula for Millennials, co-located with the 38th International Conference on Software Engineering (ICSE 2017) May 27, 2017, Buenos Aires, Argentina.
- **MODELSWARD 2017:** 5th International Conference on Model-Driven Engineering and Software Development, Porto, Portugal, 19-21 February 2017.
- **JENUI 2017:** 22th Spanish Conference on Informatics Education, Cáceres, Spain, July 5-7, 2017.
- **SBES 2017:** 30th Brazilian Symposium on Software Engineering, Fortaleza, Ceará,,Brazil, September 18-22, 2017.
- **SBQS 2017:** 14th Brazilian Symposium on Software Quality, Rio de Janeiro, Brazil, August 28-30, 2017.

Program Committee Membership – 2016:

- **MODELS 2016:** ACM/IEEE 19th International Conference on Model Driven Engineering Languages and Systems, Saint-Malo, France, Oct 2-7, 2016.
- **EASE 2016:** 20th International Conference on Evaluation & Assessment in Software Engineering, 1-3 June 2016, Limerick, Ireland.
- **ESEM 2016:** 10th International Symposium on Empirical Software Engineering and Measurement, Ciudad Real, Spain, September 8-9, 2016.
- **SEAA 2016:** 42th EUROMICRO Conference on Software Engineering and Advanced Applications, Software Process and Product Improvement (**SPPI and SM tracks**), August 31-September 2, 2016, Limassol, Cyprus.
- **PROFES 2016:** 17th International Conference on Product-Focused Software Process Improvement (PROFES 2016), Trondheim, Norway, November 22-24, 2016.
- **MODELSWARD 2016:** 4th International Conference on Model-Driven Engineering and Software Development, Rome, Italy, 19-21 February 2016.
- **ICWE 2016:** 15th International Conference on Web Engineering, Lugano, Switzerland, 6-9 June, 2016.
- **CESI 2016:** 4th International Workshop on Conducting Empirical Studies on Industry, co-located with the 38th International Conference on Software Engineering (ICSE 2016), Austin, USA, May 17, 2016.
- **SBES 2016:** 30th Brazilian Symposium on Software Engineering, Maringá, Brazil, September 19-23, 2016.
- **HuFAMO 2016:** 2nd International Workshop on Human Factors in Modeling, co-located to MODELS 2016, October 4, 2016, Saint-Malo, France.
- **SBCARS 2016:** 10th Brazilian Symposium on Software Components, Architectures and Reuse, Maringá, Brazil, September 19-23, 2016.
- **SBQS 2016:** 14th Brazilian Symposium on Software Quality, Maceió, Alagoas, Brazil, October 24-26, 2016.
- **JISBD 2016:** 21th Spanish Conference on Software Engineering and Databases, Salamanca, Spain, September 14-16, 2016.
- **JENUI 2016:** 21th Spanish Conference on Informatics Education, Almeria, Spain, July 5-8, 2016.
- **IDoESE 2016:** 14th International Doctoral Symposium on Empirical Software Engineering, September 7, 2016, Ciudad Real, Spain (Board of Advisors)

Program Committee Membership – 2015:

- **CHI 2015:** 30th ACM International Conference on Human Factors in Computing Systems, April 18 - 24, Seoul, Korea.
- **INTERACT 2015:** 15th IFIP TC13 Conference on Human-Computer Interaction, Bamberg, Germany, September 14-18, 2015.
- **MODELS 2015:** ACM/IEEE 18th International Conference on Model Driven Engineering Languages and Systems, Ottawa, Canada, Sept. 27 – Oct. 02, 2015.
- **ACM_SRC@MODELS 2015:** ACM Research Competition track at MODELS 2015, Sept. 27 – 29, 2015.
- **MODELSWARD 2015:** 3rd International Conference on Model-Driven Engineering and Software Development, Angers, France, 9-11 February 2015.
- **EASE 2015:** 19th International Conference on Evaluation & Assessment in Software Engineering, 27-29 April 2015, Nanjing, China.
- **SEAA 2015:** 41th EUROMICRO Conference on Software Engineering and Advanced Applications, Software Process and Product Improvement (SPPI, SM and SPLSeco tracks), August 26-28, 2015, Funchal, Madeira, Portugal.
- **PROFES 2015:** 16th International Conference on Product-Focused Software Process Improvement (PROFES 2015), Bozen-Bolzano, Italy, December 2-4, 2015.

- **ICWE 2015:** 15th International Conference on Web Engineering, Rotterdam, The Netherlands, 22-26 July, 2015.
- **WEBIST 2015:** 11th International Conference on Web Information Systems and Technology, Lisbon, Portugal, May 20-22, 2015.
- **MCETECH 2015:** 6th International Conference on e-Technologies, May 12-15th, 2015, Montreal (Quebec) Canada.
- **BM-FA 2015:** 7th Workshop on Behavioral Modeling – Foundations and Applications, co-located with STAF 2015, L'Aquila, Italy, July 20th, 2015.
- **MIDI 2015:** International Conference on Multimedia, Interaction, Design and Innovation, Warsaw, Poland, June 29-30, 2015.
- **IWSM-MENSURA 2015:** 25nd International Workshop on Software Measurement, Cracow, Poland, October 7-7, 2015.
- **CESI 2015:** 3rd International Workshop on Conducting Empirical Studies on Industry, co-located with the 37th International Conference on Software Engineering (ICSE 2015), Florence, Italy, May 18, 2015.
- **SBES 2015:** 29th Brazilian Symposium on Software Engineering, Belo Horizonte - MG, Brazil, September 21-26, 2015.
- **HuFAMO 2015:** First International Workshop on Human Factors in Modeling, co-located to MODELS 2015, September 28, 2015, Ottawa, Canada.
- **SBCARS 2015:** 9th Brazilian Symposium on Software Components, Architectures and Reuse, Belo Horizonte - MG, Brazil, September 21-26, 2015.
- **SBQS 2015:** 14th Brazilian Symposium on Software Quality, Manaus, Amazonas, Brazil, August 17-21, 2015.
- **JISBD 2015:** 20th Spanish Conference on Software Engineering and Databases, Santander, Spain, September 15-17, 2015.

Program Committee Membership – 2014:

- **ESEM 2014:** 8th International Symposium on Empirical Software Engineering and Measurement, Torino, Italy, September 18-19, 2014.
- **EASE 2014:** 18th International Conference on Evaluation & Assessment in Software Engineering, London, UK, May 13-14, 2014.
- **AVI 2014:** 12th International Working Conference on Advanced Visual Interfaces, Como (Italy), May 27-30, 2014.
- **MODELSWARD 2014:** International Conference on Model-Driven Engineering and Software Development, Lisbon, Portugal, 7-9 January 2014.
- **SEAA 2014:** 39th EUROMICRO Conference on Software Engineering and Advanced Applications, Software Measurement (SM track), Verona, Italy, August 27-29, 2014.
- **PROFES 2014:** 15th International Conference on Product-Focused Software Development and Process Improvement, Helsinki, Finland, 10-12 Dec 2014.
- **RCIS 2014:** 8th IEEE International Conference on Research Challenges in Information Science, Marrakesh, Morocco, May 28-30, 2014.
- **QUATIC 2014:** 9th International Conference on the Quality of Information and Communications Technology, Guimaraes, Portugal, 23 to 26 September 2014 (Quality in Web Engineering Track and Evidence-Based Software Quality Engineering Track).
- **CESI 2014:** 2nd International Workshop on Conducting Empirical Studies on Industry, co-located with the 36th International Conference on Software Engineering (ICSE 2014), Hyderabad, India, June 2, 2014.
- **SBES 2014:** 28th Brazilian Symposium on Software Engineering, Maceió - AL, Brazil, September 28, October 3, 2014.
- **SBCARS 2014:** 8th Brazilian Symposium on Software Components, Architectures and Reuse, Maceió - AL, Brazil, September 28, October 3, 2014.
- **SBQS 2014:** 13th Brazilian Symposium on Software Quality, Blumenau - SC, Brazil, August 4-8, 2014.
- **JISBD 2014:** 19th Spanish Conference on Software Engineering and Databases, Cádiz, Spain, September 16-19, 2014.

Program Committee Membership – 2013:

- **MODELS 2013:** ACM/IEEE 16th International Conference on Model Driven Engineering Languages and Systems, Miami, Florida – USA, ^[1]_{SEP}29 September 2013 through 4 October 2013.
- **WWW 2013:** 22nd International World Wide Web Conference, Web Engineering Track, Rio de Janeiro, Brazil, May 13-17, 2012.
- **ICWE 2013:** 13th International Conference on Web Engineering, Aalborg, Denmark, July 8-12, 2013.
- **INTERACT 2013:** 14th IFIP TC13 Conference on Human-Computer Interaction, Cape Town, South Africa, September 2-6, 2013.
- **ESEM 2013:** 7th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, Baltimore, Maryland, USA, Os 10-11, 2013.
- **EASE 2013:** 17th International Conference on Evaluation & Assessment in Software Engineering, Porto de Galinhas, Brazil, April 14-16, 2013.
- **PROFES 2013:** 14th International Conference on Product-Focused Software Development and Process Improvement, Paphos, Cyprus, June 12-14, 2013.
- **SEAA 2013:** 39th EUROMICRO Conference on Software Engineering and Advanced Applications, Software Process and Product Improvement (SPPI track) & Software Measurement (SM track), Santander, Spain, Sept 4-6, 2013.
- **WEBIST 2013:** 9th International Conference on Web Information Systems and Technology, Aachen, Germany, May 8-10, 2013.
- **RCIS 2013:** 7th IEEE International Conference on Research Challenges in Information Science, Paris, France, May 29-31, 2013.
- **ICT-EurAsia 2013:** IFIP International Eurasia Conference on Information & Communication Technology, Yogyakarta, Indonesia, March 25-29, 2013.
- **IWSM-MENSURA 2013:** 23rd International Workshop on Software Measurement, Ankara, Turkey, October 23-26, 2013.
- **CESI 2013:** 1st International Workshop on Conducting Empirical Studies on Industry, co-located with the 35th International Conference on Software Engineering (ICSE 2013), San Francisco, USA, May 20, 2013.
- **SBES 2013:** 27th Brazilian Symposium on Software Engineering, Brasilia - DF, Brazil, September 29, October 4, 2013.
- **SBCARS 2013:** 7th Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS), Brasilia - DF, Brazil, September 29, October 4, 2013.
- **SBQS 2013:** 11th Brazilian Symposium on Software Quality, Salvador, Bahia, Brazil, July 1-5, 2013.

Program Committee Membership – 2012:

- **WWW 2012:** 21st International World Wide Web Conference, Web Engineering Track, Lyon, France, April 16-20, 2012.
- **SPLC 2012:** 16th International Software Product Line Conference, Salvador-BA, Brazil, September 02-07, 2012.
- **ESEM 2012:** 6th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement, September 17-22, 2012, Lund, Sweden (Short Paper and Posters Member)
- **IDoESE 2012:** 7th International Doctoral Symposium on Empirical Software Engineering, September 21, 2012, Lund, Sweden (Board of Advisors Member)
- **EASE 2012:** 16th International Conference on Evaluation & Assessment in Software Engineering, Ciudad Real, Spain, May 14-15, 2012.
- **SEAA 2012:** 38th EUROMICRO Conference on Software Engineering and Advanced Applications, Software Process and Product Improvement (SPPI) & Software Management (SM) Tracks, Cesme, Turkey, Sept 5-8, 2012.
- **MeSVAM 2012:** Special Session on Measurement as a Strategy for Software Value Management, co-located with SEAA 2012, Cesme, Turkey, Sept 5-8, 2012.

- **ICWE 2012:** 12th International Conference on Web Engineering, Berlin, Germany, July 23-27, 2012.
- **WEBIST 2012:** 8th International Conference on Web Information Systems and Technologies, April 18-21, Porto, Portugal.
- **PROFES 2012:** 13th International Conference on Product-Focused Software Development and Process Improvement, Madrid, Spain, June 13-15, 2012.
- **RCIS 2012:** 6th IEEE International Conference on Research Challenges in Information Science, May 16-18, 2012, Valencia, Spain.
- **SCArVeS 2012:** 2nd International Workshop on Services, Clouds, and Alternative Design Strategies for Variant-Rich Software Systems, co-located with SPLC 2012, Salvador - Brazil, September 02 - 07, 2012.
- **REPOS 2012:** 1st International Workshop on International Workshop on Requirements Engineering Practices on Software Product Line Engineering, co-located with SPLC 2012, Salvador - Brazil, September 02 - 07, 2012.
- **NFSP-DSML 2012:** 4th International Workshop on Non-functional System Properties in Domain Specific Modeling Languages, co-located with MODELS 2012, Innsbruck, Austria, October 1, 2012.
- **IWSM-MENSURA 2012:** 22nd International Workshop on Software Measurement, October 17-19, 2012, Assisi, Italy.
- **QUATIC 2012:** 8th International Conference on the Quality of Information and Communications Technology, Lisbon, Portugal, 2-6 September, 2012.
- **SMEF 2012:** 9th Software Measurement European Forum, June 25-26, 2012, Rome, Italy.
- **VALOIR 2012:** 2nd Workshop on Managing the Client Value Creation Process in Agile Projects, co-located with PROFES 2012, Madrid, Spain, June 12, 2012.
- **SBES 2012:** 26th Brazilian Symposium on Software Engineering, Natal - RN, Brazil, September 24-28, 2012.
- **SBQS 2012:** 11th Brazilian Symposium on Software Quality, Fortaleza - Ceará, Brazil, June 11-15, 2012.
- **WER 2012:** 15th Workshop on Requirements Engineering, April 24-27, 2012, Buenos Aires, Argentina.
- **INTERACCIÓN 2012:** 13th Spanish Conference on Human-Computer Interaction, Elche, Spain, October 3-5, 2012.

Program Committee Membership – 2011:

- **SPLC 2011:** 15th International Software Product Line Conference, Munich, Germany, August 22-26, 2011.
- **ESEM 2011:** 5th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement – Short Papers Track, Sept. 22-23 in Banff, Canada.
- **PROFES 2011:** 12th International Conference on Product Focused Software Development and Process Improvement, Torre Canne, Italy, June 20-23, 2011.
- **SEAA 2011:** 37th EUROMICRO Conference on Software Engineering and Applications, Special Session on Software Management, Oulu, Finland, August 30 to September 2, 2011.
- **ICWE 2011:** 11th International Conference on Web Engineering, Paphos, Cyprus, June 20-24, 2011.
- **SCArVeS 2011:** 1st Workshop on Services, Clouds, and Alternative Design Strategies for Variant-Rich Software Systems, co-located with SPLC 2011, Munich, Germany, August 22, 2011.
- **WoSQ 2011:** 8th International Workshop on Software Quality, co-located with ESEC/FSE, September 5-9, 2011, Szeged, Hungary.
- **WEBIST 2011:** 7th International Conference on Web Information Systems and Technologies, May 6-9, Noordwijkerhout, The Netherlands.
- **RCIS 2011:** 5th IEEE International Conference on Research Challenges in Information Science, May 19-21 2011, Guadeloupe, French West Indies, France.

- **JISBD 2011:** 16th Spanish Conference on Software Engineering and Databases, A Coruña, Spain, September 5-7, 2011.
- **WER 2011:** 14th Workshop on Requirements Engineering, Rio de Janeiro-RJ, Brazil, Abril 28-29, 2011.
- **SBES 2011:** 25th Brazilian Symposium on Software Engineering, September 26-30, 2011, São Paulo, Brazil.
- **SBCARS 2011:** 5th Brazilian Symposium on Software Components, Architectures and Reuse, September 26-30, 2011, São Paulo, Brazil.
- **SBQS 2011:** 10th Brazilian Symposium on Software Quality, Curitiba - Paraná, Brazil, June 06-10, 2011.
- **INTERACCIÓN 2011:** 12th Spanish Conference on Human-Computer Interaction, Lisbon, Portugal, September 2-5, 2011.

Program Committee Membership – 2010:

- **PROFES 2010:** 11th International Conference on Product Focused Software Development and Process Improvement, Limerick, Ireland, June 21-23, 2010.
- **NordiCHI 2010:** 6th Nordic Conference on Human-Computer Interaction, Reykjavik, Iceland, October 16-20, 2010.
- **SEAA 2010:** 36th Euromicro Conference on Software Engineering and Applications, Special Session on Software Management, Lille, France, September 1-3, 2010.
- **ICWE 2010:** 10th International Conference on Web Engineering, Vienna, Austria, July 5 - 9, 2010.
- **WEBIST 2010:** 6th International Conference on Web Information Systems and Technology, Valencia, Spain, April 7-10, 2010.
- **RCIS 2010:** 4th International Conference on Research Challenges in Information Science, May 19-21, 2010, Nice, France.
- **WeRE 2010:** International Workshop on The Web and Requirements Engineering, co-located with the Requirements Engineering Conference (RE 2010), Sydney, Australia, September 28, 2010.
- **ICSOFT 2010:** 5th International Conference on Software and Data Technologies, July 22-24, 2010, Athens, Greece.
- **WER 2010:** 13th Workshop on Requirements Engineering, April 12-13, 2010, Cuenca, Ecuador.
- **SBQS 2010:** 9th Brazilian Symposium on Software Quality, Belém, Pará, Brazil, June 07-11, 2010.
- **INTERACCIÓN 2010:** 11th Spanish Conference on Human-Computer Interaction), Valencia, Sept 7-10, 2010.

Program Committee Membership – 2009:

- **INTERACT 2009:** 12th IFIP TC13 Conference in Human-Computer Interaction, August 24-28, 2009, Uppsala, Sweden.
- **CIKM 2009:** 18th ACM Conference on Information and Knowledge Management, DB Track, November 2-6, 2009, Hong Kong, China.
- **PROFES 2009:** 10th International Conference on Product Focused Software Development and Process Improvement, June 15-17, 2009, Oulu, Finland.
- **SEAA 2009:** 35th Euromicro Conference on Software Engineering and Applications, Special Session on Software Management, Patras, Greece, August 27-29, 2009.
- **ICWE 2009:** 9th International Conference on Web Engineering, June 24-26, 2009, San Sebastian, Spain.
- **ISD 2009:** 18th Conference on Information Systems Development, Track on Information Systems Engineering & Management, Paphos, Cyprus, August 25-27, 2008.
- **RCIS 2009:** 3rd International Conference on Research Challenges in Information Science, April 22-24, 2009, Fes, Morocco.

- **ASEA 2009:** International Conference on Advanced Software Engineering & Its Applications, December 10-12, 2009, Jeju Island, Korea.
- **ICSOFT 2009:** 4th International Conference on Software and Data Technologies, 26-29 July 2009, Sofia, Bulgaria.
- **QAW 2009:** International Workshop on Quality Assessment in Web, in conjunction with ICWE 2009, San Sebastián, Spain, June 24-26, 2009.
- **ODS 2009:** International Workshop on Open Design Spaces supporting User Innovation, in conjunction with the International Symposium on End User Development (IS-EUD 2009), Siegen, Germany, March 2009.
- **WWW/Internet 2009:** IADIS Ibero-American Conference WWW/Internet 2009, Alcalá, Madrid, Spain, 21 - 23 October 2009.
- **SMEF 2009:** 6th Software Measurement European Forum, 28-29 May 2009 in Rome, Italy.
- **WER 2009:** 12th Workshop on Requirements Engineering, July 16-17, 2009, Valparaiso, Chile.
- **JISBD 2009:** 13th Spanish Conference on Software Engineering and Databases, San Sebastián, Spain, September 8-11, 2009.
- **INTERACCIÓN 2009:** 10th Spanish Conference on Human-Computer Interaction, Barcelona, Sept 7-9, 2009.
- **SBQS 2009:** 8th Brazilian Symposium on Software Quality, Ouro Preto-MG, Brazil, June 01-05, 2009.

Program Committee Membership – 2008:

- **ESEM 2008:** 2nd ACM-IEEE International Symposium on Empirical Software Engineering and Measurement, October 9-10, 2008, Kaiserslautern, Germany.
- **CIKM 2008:** 17th ACM Conference on Information and Knowledge Management, DB Track, User experience: languages, models, and interfaces area. October 26-30, 2008, Napa Valley-CA, USA.
- **SEAA 2008:** 34th IEEE Euromicro Conference on Software Engineering and Advanced Applications, Special Session on Software Management, Parma, Italy, September 3-5, 2008.
- **PROFES 2008:** 9th International Conference on Product Focused Software Process Improvement, June 23-25, 2008, Frascati, Rome, Italy.
- **RCIS 2008:** IEEE International Conference on Research Challenges in Information Science, April 21-22, 2008, Marrakech, Morocco.
- **ICSOFT 2008:** 3rd International Conference on Software and Data Technologies, 05-08 July 2008, Porto, Portugal.
- **ISD 2008:** 17th Conference on Information Systems Development, Information Systems Engineering & Management Track, Paphos, Cyprus, August 25-27, 2008.
- **LA-WEB 2008:** 6th IEEE Latin American Web Congress, October 28-30, 2008, Vila Velha - ES, Brazil.
- **SMEF 2008:** 5th Software Measurement European Forum, May 2008, Milan, Italy.
- **BEADE 2008:** IEEE CEC Workshop on Business-Driven Enterprise Application Design & Evaluation, July 21, 2008, Cristal City, Washington D. C, USA.
- **SBQS 2008:** 7th Brazilian Symposium on Software Quality, June 02-06, Florianópolis-SC, Brazil.
- **WER 2008:** 11th Workshop on Requirements Engineering, September 2008, Barcelona, Catalonia, Spain.
- **MDSE 2008:** 3rd Workshop on Model Driven Software Engineering with an emphasis on Transformations and Tools, 6-7 November 2008, Budva, Montenegro.
- **WEPOQ 2008:** 2nd International Workshop on Web and Portals Quality, in conjunction with the 8th International Conference on Web Engineering (ICWE 2008), July 14th - 18th 2008 - Yorktown Heights, New York, USA.

- **AEWSE 2008:** 3rd International Workshop on Adaptation and Evolution in Web Systems Engineering, In conjunction with the 8th International Conference on Web Engineering (ICWE 2008), July 14th - 18th 2008 - Yorktown Heights, New York, USA.
- **INTERACCIÓN 2008:** 9th Spanish Conference on Human-Computer Interaction, Albacete, June 9-12, 2008.
- **INTERACÇÃO 2008:** 3rd Portuguese Conference on Human-Computer Interaction, Évora, Portugal, October 2008.

Program Committee Membership – 2007:

- **ESEM 2007:** ACM-IEEE International Symposium on Empirical Software Engineering and Measurement, Madrid, Spain, September 2007.
- **RCIS 2007:** IEEE International Conference on Research Challenges in Information Science, April 23-26, 2007, Quarzazate, Morocco.
- **WER 2007:** 10th Workshop on Requirements Engineering, 17-18 May 2007, Toronto, Canada.
- **JISBD 2007:** 12th Spanish Conference on Software Engineering and Databases, Zaragoza, September 11-14, 2007.
- **ICSOFT 2007:** 2nd International Conference on Software and Data Technologies, 22-25 July 2007, Barcelona, Spain.
- **SMEF 2007:** 4th Software Measurement European Forum, 09-11 May 2007, Rome, Italy.
- **LA-WEB 2007:** 5th IEEE Latin American Web Congress, October 31st – November 2nd, 2007, Santiago, Chile.
- **WWW/Internet 2007:** IADIS Ibero-american Conference on WWW/Internet 2007, 07-08 October 2007, Vila Real, Portugal.
- **SBQS 2007:** 6th Brazilian Symposium on Software Quality, June 25 to June 29, Porto de Galinhas- PE, Brazil.
- **WQVV 2007:** Workshop on Web Quality, Verification and Validation, co-located with the International Conference on Web Engineering (ICWE 2007), 16-20, Como, Italy.
- **MeReP 2007:** Workshop on Measuring Requirements for Project and Product Success, co-located with the International Conference on Software Process and Product Measurement (MENSURA 2007), November 5-7, 2007, Palma de Mallorca, Spain.
- **ESELAW 2007:** 4th Experimental Software Engineering Latin America Workshop, 12-14 December, São Paulo, Brazil.

Program Committee Membership – 2006:

- **ISESE 2006:** 5th ACM-IEEE International Symposium on Empirical Software Engineering, Rio de Janeiro, Brazil, September 21-22, 2006.
- **CADUI 2006:** 6th International Conference on Computer-Aided Design of User Interfaces, Bucharest, Romania, June 5-8, 2006.
- **SOQUA 2006:** 3rd International Workshop on Software Quality Assurance, co-located with ACM SIGSOFT 2006 / FSE 14, Portland, Oregon, USA, November, 2006.
- **LA-WEB 2006:** 4th IEEE Latin American Web Congress, October 2006, Cholula, Mexico.
- **SBQS 2006:** 5th Brazilian Symposium on Software Quality, May 29 to June 02, Vila Velha - ES, Brazil
- **WWW/Internet 2006:** IADIS Ibero-american Conference on WWW/Internet 2006, 06-07 October 2006, Murcia, Spain.
- **SMEF 2006:** 3rd Software Measurement European Forum, 10-12 May 2006, Rome, Italy.
- **MENSURA 2006:** International Conference on Software Process and Product Measurement, 6-8 November 2006, Cádiz, Spain.

- **WMM 2006:** 2nd Workshop on Web Measurement and Metrics, in conjunction with the 6th International Conference on Web Engineering (ICWE 2006), July 11, Palo Alto, USA.
- **WER 2006:** 9th Workshop on Requirements Engineering, 13-14 July 2006, Rio de Janeiro, Brazil.
- **INTERACCIÓN 2006:** VII Congreso Internacional de Interacción Persona-Ordenador, 13-17 November, Puertollano (Ciudad Real), Spain.
- **INTERACÇÃO 2006:** 2nd Portuguese Conference on Human-Computer Interaction, October 16-18, 2007, Braga, Portugal.
- **ESEIW 2006:** 3rd Experimental Software Engineering Latin American Workshop, co-located with the Experimental Software Engineering International Week, September, 2006, Rio de Janeiro, Brazil.

Program Committee Membership – 2005:

- **LA-WEB 2005:** 3rd IEEE Latin American Web Congress, October 2005, Buenos Aires, Argentina.
- **WWW/Internet 2005:** IADIS Ibero-american Conference on WWW/Internet 2005, 18-19 October 2005, Lisbon - Portugal.
- **WMM 2005:** 1st Workshop on Web Measurement and Metrics, in conjunction with the 5th International Conference on Web Engineering (ICWE 2005), Sydney, Australia, July 26, 2005.
- **UIQM 2005:** International COST 294 Workshop on User Interface Quality Models, co-located with 10th International IFIP Conference on Human-Computer Interaction (INTERACT 2005), Rome, Italy, Sept 12-16, 2005.
- **SBQS 2005:** 4th Brazilian Symposium on Software Quality, June 2005, Porto Alegre-RS, Brazil.
- **SMEF 2005:** 2nd Software Measurement European Forum, 2-4 March 2005, Rome, Italy.
- **ESEIW 2005:** 2nd Experimental Software Engineering Latin American Workshop, held jointly with the 19th Brazilian Software Engineering Symposium (SBES 2005), October 2005 – Uberlândia, Minas Gerais, Brazil.

Program Committee Membership – 2004:

- **CNPMSI 2004:** 5th National Congress of Software Metrics and Process, November 17-18, 2004, Madrid, Spain.

Program Committee Membership – 2003:

- **La-Web 2003:** 1st Latin American Web Congress, posters committee member, Santiago, Chile, Nov. 10-12, 2003.

Participation in Panels

Panels at conferences:

- Panel: User Experience (UX) in Model-Based Software Engineering, ACM/IEEE 19th International Conference on Model Driven Engineering Languages and Systems (**MODELS 2016**), October 6, Saint-Malo, France.
Moderator: Jon Whittle
Panelists: Silvia Abrahão, Francis Bordeleau, Betty Cheng, Sahar Kokaly, Richard Paige and Harald Stoerrle.
- Panel: MDE: Present and Future, 2nd International Conference on Model-Driven Engineering and Software Development (**MODELSWARD 2014**), January 7, Lisbon, Portugal.
Moderator: Luis Ferreira Pires
Panelists: Silvia Abrahão, Colin Atkinson and Philippe Desfray.

Journal/Magazine Editor

Journal Editor

- **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Association for Computing Machinery (Impact Factor 3.685 – JCR 2021), Role:

Editor-in-Chief for the Continuous Special Section on Human-Centric Software Engineering, since March 2023.

- **IEEE Software**, IEEE Computer Society (Impact Factor 3.0 – JCR 2021). Roles: Associate Editor, responsible for Software Quality, since September 2018.
- **ERCIM News** (<http://ercim-news.ercim.eu>), European Research Consortium for Informatics and Mathematics, April 2011 – Feb 2017. Role: Spanish Editor (managing ERCIM News in Spain and co-editing 16 numbers during this period).

Journal Editorial Board and Referee

Journal Editorial Board

- **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Association for Computing Machinery (Impact Factor 3.685 – JCR 2021). Roles: Associate Editor & Guest Editor for the Replicated Computational Results (RCR) Report Section, since June 2022.
- **IEEE Software**, IEEE Computer Society (Impact Factor 3.0 – JCR 2021). Role: Associate Editor, responsible for Software Quality, since September 2018.
- **Automated Software Engineering (ASE)**, Springer (Impact Factor 3.4 – JCR 2022), ISSN 15737535, since December 2023, Role: Associate Editor.
- **Software and Systems Modeling (SoSyM)**, Springer (Impact Factor 1.910 – JCR 2020), ISSN: 1619-1366, since April 2019, Role: Editorial Board Member.
- **Journal of Software: Practice and Experience (SPE)**, John Wiley & Sons Ltd (Impact Factor 2.028 – JCR 2020), ISSN:1097-024X, since October 2021. Role: Advisory Editorial Board Member.
- **Mathematical Problems in Engineering** (Impact Factor 1.082 – JCR 2013), Hindawi Publishing Corporation, ISSN: 1563-5147, 2014-2015. Role: Editorial Board Member.
- **International Journal of Software Engineering and Its Application (IJSEIA)**, Science & Engineering Research Support Center (SERSC), Australia, ISSN: 1738-9984, 2007-2018. Role: Editorial Board Member.
- **International Journal on Web Science and Engineering (IJWSE)**, Science & Engineering Research Support Center – SERSC, Australia, 2012-2016.
- **Process and Metrics Magazine**, Edited by the Spanish Association of Software Metrics (AEMES), ISSN: 1886-4554 (printed version), Spain, 2004-2008. Role: Editorial Board Member & Board Member of AEMES, representing Spain in the ISBSG (International Software Benchmarking Standards Group) meetings.

Journals and Books Referee:

- Software and Systems Modeling (SoSyM), Springer, since 2012.
- Empirical Software Engineering, Springer, since 2012
- IEEE Internet Computing, IEEE, since 2011
- IEEE Transactions on Software Engineering, IEEE Computer Society, since 2009
- Requirements Engineering Journal, Springer, since 2013.
- ACM Transactions on the Web, ACM Press, 2009.
- International Journal of Human-Computer Studies, Elsevier, since 2013.
- Information Sciences, Elsevier, since 2010
- IET Software, since 2010
- Information and Software Technology Journal, Elsevier, since 2008.
- IEEE Software, IEEE Computer Society, since 2006
- Journal of Advances in Engineering Software, Elsevier, 2008.
- Journal of Web Engineering, Rinton Press, USA, 2007-2008.
- Software Process: Improvement and Practice, John Wiley & Sons, Ltd, since 2008.
- International Journal of Web Engineering and Technology (IJWET), Special issue on Empirical studies in Web Engineering, 2006.
- International Journal of Software Engineering & Knowledge Engineering (IJSEKE), World Scientific Publishing Company, ISSN: 0218-1940.

- Contemporary Empirical Methods in Software Engineering. M. Felderer and G. H. Travassos (Eds.), Springer, 2020.
- Springer-Kluwer International Series in Human-Computer Interaction, Book on Maturing Usability: Quality in Software, Interaction and Value. E. Law, E. Hvannberg, and G. Cockton (Eds.), Springer Verlag.
- Handbook of Research on Web Information Systems Quality, C. Calero, M^a Á. Moraga, M. Piattini (Eds.), ISSN: 0950-5849, IGI Global.
- Model-Driven Software Development: Integrating Quality Assurance, Jörg Rech and Christian Bunse (Eds.), 2008, IGI Global.

Conference Organization

1. **Program Co-Chair** of the 28th Ibero-American Conference on Software Engineering (ClbSE 2025), 12-16 May 2025, Ciudad Real, Spain.
2. **Doctoral Symposium Co-Chair** of the 18th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2024), 20-25 October 2025, Barcelona, Spain
3. **Journal-First Track Chair** of the 27th International Conference on Model Driven Engineering Language and Systems (MODELS 2024), September 22-27, 2024, Linz, Austria.
4. **Journal-First Track Chair** of the 17th International Conference on Cooperative and Human Aspects of Software Engineering (CHASE 2024), April 2024, Lisbon, Portugal.
5. **Emerging Results, Vision and Reflection Paper Track Co-Chair** of the 16th ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2023), October 26-27, 2023 in New Orleans, United States.
6. **Educators Symposium Co-Chair** of the 26th ACM-IEEE International Conference on Model Driven Engineering Languages and Systems (MODELS 2023), 1-6 October 2023 Västerås, Sweden.
7. **Doctoral Symposium Co-Chair** of the 37th IEEE/ACM International Conference on Automated Software Engineering (ASE 2022), 2-7 October 2022, Michigan, United States.
8. **Program Co-Chair** of the 29th International Conference on Information Systems Development (ISD 2021), 9-11 September 2020, Valencia, Spain.
9. **Program Chair** of the 25th Spanish Conference on Software Engineering and Databases (JISBD 2021), 23-25 September 2020, Málaga, Spain.
10. **Artifact Evaluation Co-Chair** at the 43th International Conference on Software Engineering (ICSE 2021), May 22-30, 2021, Madrid, Spain.
11. **Program Chair** (Practice & Innovation Track) of the ACM/IEEE 23th International Conference on Model Driven Engineering Languages and Systems (MODELS 2020), September 2020, Montreal, Canada.
12. **Doctoral Symposium Co-Chair** of the 41th International Conference on Software Engineering (ICSE 2019), May 2019, Montreal, Canada.
13. **Program Co-Chair** for the Quality Aspects in Evidence-Based Software Engineering Track at 12th International Conference on the Quality of Information and Communications Technology (QUATIC 2019), Ciudad Real, Spain, September 11-13, 2019.
14. **Doctoral Symposium Co-chair** of the ACM/IEEE 21th International Conference on Model Driven Engineering Languages and Systems (MODELS 2018), 14-19 October 2018, Copenhagen, Denmark.
15. **IASESE Co-Chair**, 15th International Advanced School of Empirical Software Engineering (IASESE Advanced School), co-located with the International Symposium on Empirical Software Engineering and Measurement (ESEM 2018), October 10, 2018, Oulu, Finland.
16. **Associate Chair** at 12th ACM International Working Conference on Advanced Visual Interfaces, Grosseto (Italy), 29 May – 01 June, 2018.
17. **Track Co-Chair** for the Empirical Methods in Software Engineering and Information Systems Track at the 19th Spanish Conference on Software Engineering and Databases (JISBD 2018), Seville, Spain, Sept. 2018.

18. **Tutorial Co-Chair** of the ACM/IEEE 20th International Conference on Model Driven Engineering Languages and Systems (MODELS 2017), September 2017, Texas, USA.
 19. **Tutorial Co-Chair** of the 17th International Conference on Web Engineering (ICWE 2017), July 2017, Rome, Italy.
 20. **Poster/Demo/Exhibit Co-chair** of the IEEE 25th International Conference on Requirements Engineering (RE 2017), September 2017, Lisbon, Portugal.
 21. **Track Co-Chair** for the Empirical Methods in Software Engineering and Information Systems Track at the 18th Spanish Conference on Software Engineering and Databases (JISBD 2017), La Laguna, , Spain, July 19-21, 2017.
 22. **Associate Chair** at the ACM International Working Conference on Advanced Visual Interfaces (AVI 2016), Bari, Italy.
 23. **General Co-Chair** of the ACM/IEEE 17th International Conference on Model Driven Engineering Languages and Systems (MODELS 2014), Sept. 28th - Oct. 3rd, 2014 – Valencia, Spain.
 24. **Track Co-Chair** for the “Quality aspects of Web applications” at the 14th International Conference on Web Engineering (ICWE 2014), Toulouse, France, July 1-4, 2014.
 25. **Panel Co-Chair** of the ACM/IEEE 16th International Conference on Model Driven Engineering Languages and Systems (MODELS 2013), Sept. 29th - Oct. 4th, 2013 – Miami, USA.
 26. **Track Co-Chair** for the Software Product Line, Software Components and Architecture Track at 18th Spanish Conference on Software Engineering and Databases (JISBD 2013), Madrid, Spain, 17-20 September 2013.
 27. **Program Co-Chair** for the Quality in Web Engineering Track at 8th International Conference on the Quality of Information and Communications Technology (QUATIC 2012), Lisbon, Portugal, September 3-6, 2012.
 28. **Track Co-Chair** for the Software Product Line, Software Components and Architecture Track at 17th Spanish Conference on Software Engineering and Databases (JISBD 2012), Almería, Spain, September 17-21, 2012.
 29. **Associate Chair** at 15th IFIP TC13 Conference on Human-Computer Interaction (INTERACT 2011), Lisbon, Portugal, September 5-9, 2011.
 30. **Organizing Committee Member** of the 3rd Spanish Congress on Informatics (CEDI 2010) – a congress that groups 25 national conferences in the field of Computer Science, September 2010, Valencia, Spain.
 31. **Local Chair** of the 15th Spanish Conference on Software Engineering and Databases (JISBD 2010), Valencia, Spain, September 2010.
 32. **Panel Chair** of the 11th International Conference on Product Focused Software Development and Process Improvement (PROFES 2010), Limerick, Ireland, June 21-23, 2010.
 33. **Publicity Co-Chair** of the International Conference on Advanced Software Engineering & Its Applications (ASEA 2010), December 11-13, Bali, Indonesia.
 34. **Publicity Co-Chair** of the International Conference on Advanced Software Engineering & Its Applications (ASEA 2009), Dec 10-12, Jeju Island, Korea.
 35. **Demo Chair** of the 8th International Conference on Web Engineering (ICWE 2008), Yorktown Heights, New York, July 14-18, 2008.
 36. **Publicity Co-Chair** of the International Conference on Advanced Software Engineering & Its Applications (ASEA 2008), Dec. 13-15, Hainan Island, China.
1. **Workshop Co-Chair** of the 7th International Workshop on Human Factors in Modeling / Modeling of Human Factors (HuFaMo 2023), co-located with the ACM/IEEE 26th International Conference on Model Driven Engineering Languages and Systems (MODELS 2023), 1-6 October 2023, Västerås, Sweden.
 2. **Workshop Co-Chair** of the 6th International Workshop on Human Factors in Modeling / Modeling of Human Factors (HuFaMo 2022), co-located with the ACM/IEEE 25th International Conference on Model Driven Engineering Languages and Systems (MODELS 2022), 23-25 October 2022, Montreal, Canada.
 3. **Workshop Co-Chair** of the 5th International Workshop on Human Factors in Modeling / Modeling of Human Factors (HuFaMo 2021), co-located with the ACM/IEEE 24th International Conference on Model Driven Engineering Languages

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- and Systems (MODELS 2021), 10-12 October 2021, Virtual Event (originally in Fukuoka, Japan).
4. **Workshop Co-Chair** of the 4th International Workshop on Human Factors in Modeling (HuFaMo 2019), co-located with the ACM/IEEE 22nd International Conference on Model Driven Engineering Languages and Systems (MODELS 2019), 16 September, Munich, Germany.
 5. **Workshop Co-Chair** for the 4th International Workshop on Human Factors in Software Development Processes (HUFO 2019), co-located with the 20th International Conference on Product-Focused Software Process Improvement (PROFES 2019), November 27-29, Barcelona, Spain.
 6. **Workshop Co-Chair** of the 3rd International Workshop on Human Factors in Modeling (HuFaMo 2018), co-located with the ACM/IEEE 21st International Conference on Model Driven Engineering Languages and Systems (MODELS 2018), 14-19 October 2018 Copenhagen, Denmark.
 7. **Workshop Co-Chair** for the 3rd International Workshop on Human Factors in Software Development Processes (HUFO 2017), co-located with the 18th International Conference on Product-Focused Software Process Improvement (PROFES 2017), 29 November – December 01, 2017, Innsbruck, Austria.
 8. **Workshop Co-Chair** for the 2nd International Workshop on Human Factors in Software Development Processes (HUFO 2016), co-located with the 17th International Conference on Product-Focused Software Process Improvement (PROFES 2016), 22-24 November 2016, Trondheim, Norway.
 9. **Workshop Co-Chair** of the 1st International Workshop on Human Factors in Software Development Processes (HUFO 2015), co-located with 16th International Conference on Product-Focused Software Process Improvement (PROFES 2015), Bozen-Bolzano, Italy, December 2, 2015.
 10. **Organizing Committee Member** of the AADL (Architecture Analysis and Design Language) User Day & Standard Committee Meeting, Valencia, Spain, February 4-7, 2013, Promoted by the Society of Automotive Engineers (SAE) and the Software Engineering Institute (SEI), Carnegie Mellon University, USA.
 11. **Program Co-chair** of the 3rd International Workshop on Experiences and Empirical Studies in Software Modelling (EESMod 2013), co-located with the ACM/IEEE 16th International Conference on Model Driven Engineering Languages and Systems (MODELS 2013), Oct. 1st, 2013 – Miami, USA.
 12. **Program Co-chair** of the International Workshop on Experiences and Empirical Studies in Software Modelling (EESMod 2012), co-located with the ACM/IEEE 15th International Conference on Model Driven Engineering Languages and Systems (MODELS 2012), Sept. 30th - Oct. 5th, 2012 – Innsbruck, Austria.
 13. **Program Co-chair** of the 2nd International Workshop on the Interplay between User Experience and Software Development (I-UxSED 2012), co-located with the 7th Nordic Conference on Human-Computer Interaction (NordiCHI 2012), October 14th-17th, Copenhagen, Denmark.
 14. **Program Co-chair** of the International Workshop on Experiences and Empirical Studies in Software Modelling (EESMod 2011), co-located with the ACM/IEEE 14th International Conference on Model Driven Engineering Languages and Systems (MODELS 2011), Wellington, New Zealand, October 17, 2011.
 15. **Program Co-chair** of the 1st International Workshop on 1st International Workshop on Quantitative Methods in Software Product Line Engineering (QMSPLE 2011), co-located with the 15th International Software Product Line Conference (SPLC 2011), Munich, Germany, August 26, 2011.
 16. **Program Co-chair** of the 2nd International Workshop on Quality in Web Engineering (QWE 2011), co-located with the 11th International Conference on Web Engineering (ICWE 2011), Paphos, Cyprus, June 20-21, 2011.
 17. **Program Co-chair** of the International Workshop on the Interplay Between User Experience and Software Development (I-UxSED 2010), co-located with the 6th Nordic Conference on Human-Computer Interaction (NordiCHI 2010), Reykjavik, Iceland, October 16-20, 2010.
 18. **Program Co-chair** of the 1st International Workshop on Quality in Web Engineering (QWE 2010), co-located with the 10th International Conference on Web Engineering (ICWE 2010), Vienna, Austria, July 5 - 9, 2010.

19. **Program Co-chair** of the 2nd International Workshop on the Interplay Between Usability Evaluation and Software Development (I-USED 2009), co-located with the 12th IFIP TC13 Conference in Human-Computer Interaction (INTERACT 2009) Uppsala, Sweden, August 24.
20. **Program Co-chair** of the 2nd International Workshop on Web Usability and Accessibility (IWWUA 2008), co-located with the 9th International Conference on Web Information Systems Engineering (WISE 2008), September 1, Auckland, New Zealand.
21. **Program Co-chair** of the International Workshop on the Interplay Between Usability Evaluation and Software Development (I-USED 2008), co-located with the 2nd Conference on Human-Centred Software Engineering (HCSE 2008), September 24, Pisa, Italy.
22. **Program Co-chair** of the 1st International Workshop on Web Usability and Accessibility (IWWUA 2007), co-located with the 8th International Conference on Web Information Systems Engineering (WISE 2007), Dec. 3, Nancy, France.
23. **Program Co-chair** of the International Workshop on Usability of User Interfaces: From Monomodal to Multimodal (IWUUI 2007), September 3-4, Lancaster, UK– co-located with the 22nd International Conference on Human-Computer Interaction (HCI 2007), Lancaster UK.
24. **Organizing Committee Chair** of the 2nd International Workshop on Software Quality and Estimation (IWSQE'03), Denia, Spain, May 2003.
25. **Organizing committee member** of the 1st International Workshop on Software Quality and Estimation (IWSQE'02), Denia, Spain, September 2002.
26. **Organizing committee member** of the 5th Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS'2002), La Habana, Cuba, April 2002.
27. **Organizing committee member** of the International Workshop on Conceptual Modeling of User Interfaces (TIMIU'2002), Spain, March 2002.
28. **Organizing committee member** of the International Workshop on Web Oriented Software Technology (IWWOST'02), co-located with the ECOOP 2002, Málaga, Spain.
29. **Organizing committee member** of the International Workshop on Web Oriented Software Technology (IWWOST'01), Valencia, Spain, June 2001.

Other Scientific Activities

- **Chair of the Selection Committee for the 10-year Most Influential Paper (MIP) Award** at the 23rd International Conference on Model Driven Engineering Languages and Systems (MODELS 2020), 18-23 October 2020, Montreal, Canada.
- **Member of the IEEE Software 2019 Best Paper Award Committee**, IEEE Computer Society, May 2020.
- **Member of the Virtualization Committee (Live! European Team)** at the 42nd International Conference on Software Engineering (ICSE 2020), Seoul, South Korea, 6-11 July 2020.
- **Chair of the Selection Committee for the 10-year Most Influential Paper (MIP) Award** at the 22nd International Conference on Model Driven Engineering Languages and Systems (MODELS 2019), 15-20 September 2019, Munich, Germany.
- **Member of the Management Committee** of Action IC0904: Towards the Integration of Transsectorial IT Design and Evaluation (TwinTide), funded by the European cooperation in the field of scientific and technical research (COST).
- **Member of the Management Committee** of Action 294: MAUSE – Towards the Maturation of IT Usability Evaluation, funded by the European cooperation in the field of scientific and technical research (COST).
- **Member of the UsiXML Consortium (www.usixml.org)**. Activities: Usability Evaluation of UsiXML transformations. This is a joint initiative between MAUSE and the SIMILAR Network of Excellence.
- **Activity Chair** of the WUANet (Web Usability and Accessibility network) at the International Society for Web Engineering (ISWE), 2009.

- **Spanish Representative** at the International Software Benchmarking & Standards Group (ISBSG) Workshop & Annual General Meeting, 14-17 September, 2004, Bangalore, India. In representation of the Spanish Association of Software Metrics.
- **Invited Observer** in the 13th International Software Engineering Research Network Meeting (ISERN 2005), Nov 14-15, 2005, Noosa Heads, Australia.
- **Invited Observer** in the 12th International Software Engineering Research Network Meeting (ISERN 2004), August 16-17, 2004, Redondo Beach - CA, USA.
- **Invited Observer** in the 11th International Software Engineering Research Network Meeting (ISERN 2003), October 3-4, 2003, University of Rome "Tor Vergata", Roman Castles (Rome), Italy.

Stays in Foreign Centers

- **Louvain Interaction Laboratory**, *Université catholique de Louvain (UCL)*, Louvain-La-Neuve, Belgium, post-doctoral research stay from August 2017 to January 2018 (6 months). Hosted by Prof. Jean Vanderdonckt. Supported by the Spanish Ministry of Education, Culture and Sports under the Mobility Grant for Senior Professors, including Salvador de Madariaga.
- **Carnegie Mellon University, Software Engineering Institute (SEI)**, Research, Technology, and System Solutions (RTSS) Program, USA, visiting scholar from March 2012 to July 2012 (5 months). Supported by Vicerectorate of Research, Development and Innovation of the Universitat Politècnica de València.
- **Carnegie Mellon University, Software Engineering Institute (SEI)**, Product Line Practice (PLP) Initiative, USA, visiting scholar from November 2010 to February 2011 (4 months). Supported by the Ministry of Science and Innovation under the Mobility Grant for Junior Professors (José Castillejo Program).
- **Belgian Laboratory of Computer-Human Interaction (BCHI)**, *Université catholique de Louvain (UCL)*, Louvain-La-Neuve, Belgium, post-doctoral research stay, December 2006 to February 2007 (3 months). Hosted by Prof. Jean Vanderdonckt. Supported by Vicerectorate of Research, Development and Innovation of the Univ. Politècnica de València and the MAUSE project (as a short-term scientific mission).
- **Ghent University**, Department of Management Information, Operations Management and Technology Policy, Belgium. Hosted by Prof. Geert Poels pre/post-doctoral research stays: October-November 2003, January and June 2004, September 2006. Supported by Ghent University.
- **PUC-Rio**, Department of Informatics, Brazil (hosted by Prof. Daniel Schwabe), April 2002. Research visit supported by the WEST (Web-Oriented Software Technology) project.
- **La Pampa University**, School of Computer Science and Software Engineering, Argentine (hosted by Prof. Luis Olsina), March 2002. Research visit supported by the WEST (Web-Oriented Software Technology) project.

Selected Courses and Seminars Taught

- **Invited talk:** "Empirical Methods in Software Engineering: Guidelines and Practical Examples", University of Malaga, Master's Program in Software Engineering and Artificial Intelligence, December 2000, December 2021 and December 2022.
- **Invited talk:** "On the Effectiveness of Goal-Oriented Modeling Languages: Value@GRL vs. iStar", David R. Cheriton School of Computer Science, University of Waterloo, Canada, January 2019.
- **Invited talk:** "Monitoring the Quality of Services using Models@Runtime", Université catholique de Louvain, Belgium, November 20217.
- **Invited talk:** "Monitoring the Quality of Services using Models@Runtime", Department of Computer Science, University of Bari Aldo Moro, Italy, November January 11. 2017.
- **Tutorial:** Empirical Research in Model Based Software Engineering by Michel Chaudron, Marcela Genero, Silvia Abrahão, Jon Whittle, and Lars Pareto, at the

ACM/IEEE 16th International Conference on Model Driven Engineering Languages and Systems (MODELS 2013), Miami, USA, September 30, 2013.

- **Invited talk:** “A Multimodeling Approach for Architecture Derivation and Evaluation”, Modularity and Software Architecture at PUC-Rio, Brasil, March 18, 2013.
- **Invited talk** by E. Insfran and S. Abrahao: “Multiple Views and Relationships for Quality-Driven Architecture with AADL” AADL Standards Meeting, co-located with the SAE 2012 Power Systems Conference, October 30—November 1, 2012, Phoenix-AZ, USA.
- **Seminar** “Integrating Usability into Model-Driven Web Development” at the Computer Science and Communication, KTH Royal Institute of Technology, Stockholm, Sweden, June 8, 2012.
- **Seminar** “Early Usability Evaluation in Web Application Development” at the Department of Mathematics and Computer Science, University of Udine, Italy, January 2012.
- **Invited talk** “Multimodeling Approach for Quality-Aware Software Product Lines” Rolls-Royce Software Centre of Excellence, Rolls-Royce plc, Derby, UK, December 1-2, 2009.
- **Invited talk** “A Multimodeling Approach for Cloud Computing” during the Google EMEA Faculty Summit, Software Engineering Track, 10-12 February 2009, Zurich.
- **Seminar** “Experiences on Applying Theoretical Models for Evaluating Functional Size Measurement Methods” at the Department of Software Engineering, Charles University, Prague, December 2008.
- **Invited talk** “Evaluating Functional Size Measurement Methods: Methodological and Practical Issues” at Rey Juan Carlos University (URJC), Madrid-Spain, November 6, 2006. Organized by Prof. Esperanza Marcos.
- **Seminar** at Informatics Faculty of the Technical University of Madrid: *Metrics for New Technologies and Object-Oriented*. Organized by the Spanish Association of Software Metrics, 16 March 2005 (8 hours).
- **Course** at Informatics Faculty of the University of Lins, Brazil: *Programming in Java*, 10 to 24 de October 1997 (30 hours).
- **Invited talk** at Spanish Association of Software Metrics (AEMES): *Empirical Evaluation of Functional Size Measurement Method*. In conjunction with the seminary about the ISBSG repository by Peter Hill. Polytechnic University of Madrid, Spain, September 2003.
- **Invited talk** at *Spanish Association of Software Metrics (AEMES) Annual Conference: Estimating the Functional Size of Software Products from Object-Oriented Conceptual Schemas*, Madrid, Spain, October 2001.
- **Invited talk** at *Spanish Association of Software Metrics (AEMES): Extending an OO Metric to Sizing Web Applications*, Madrid, Spain, October 2002.
- **Specialization course** “*A Practical Introduction to Software Transformation Systems*”, Centro de Apoyo Científico y Tecnológico a la Investigación (CACIT), University of Vigo, Spain, February 1999 (30 hours)

**Supervision of
PostDocs, PhD,
MSc and Master
Thesis**

Post-Docs Supervised (2):

- Defining and Validating Requirements Models for Cloud Services
Postdoc: Raphael Pereira de Oliveira
Department of Computer Science, Universitat Politècnica de València
Supervisors: Emilio Insfran and Sílvia Abrahão
Funded by Euro-Brazilian Windows, Erasmus Mundus, European Commission
December 2016 to May 2017 (6 months)
- Derivation of Software Architectures in Model-Driven Software Product Line Development

Postdoc: Javier González Huerta
Department of Computer Science, Universitat Politècnica de València
Supervisors: Silvia Abrahão and Emilio Insfran
March 2014 to February 2015 (1 year)
Funded by Generalitat Valenciana under the VALI+d program

PhD Thesis Supervised (4):

- Monitoring the Quality of Cloud Services using Models at Runtime
Doctoral candidate: Irene Priscila Cedillo Orellana
PhD Program in Computer Science
Department of Computer Science, Universitat Politècnica de València
Supervisors: Emilio Insfran and Silvia Abrahão
Summa cum laude (International PhD distinction)
Defense date: January 17, 2017
- Derivation, Evaluation and Improvement of Software Architectures in Model-Driven Software Product Line Development
Doctoral candidate: Javier González Huerta
PhD Program in Software Engineering, Formal Methods and Information Systems
Department of Computer Science, Universitat Politècnica de València
Supervisors: Silvia Abrahão and Emilio Insfran
Summa cum laude (International PhD distinction)
Defense date: February 24, 2014
- A Usability Inspection Method for Model-driven Web Development Processes
Doctoral candidate: Adrián Fernández Martínez
PhD Program in Software Engineering, Formal Methods and Information Systems
Department of Computer Science, Universitat Politècnica de València
Supervisors: Silvia Abrahão and Emilio Insfran
Summa cum laude (International PhD distinction)
Defense date: November 16, 2012
- A Functional Size Measurement Procedure for Requirements Specification (In Spanish)
Doctoral candidate: Nelly Condori Fernández
PhD Program in Software Engineering and Declarative Programming
Department of Computer Science, Universitat Politècnica de València
Supervisors: Oscar Pastor and Silvia Abrahão
Summa cum laude
Defense date: May 16, 2007

Current PhD Students (6):

- Carlos Cano Genovés
Research topic: Value-Driven Goal Model Analysis using Fuzzy Logic and Multi-Criteria Decision Making
Duration: 2018 to 2023
Funded by Universitat Politècnica de València under the FPI program
Supervisors: Emilio Insfran and Silvia Abrahão
- Ximena Guerrón
Research topic: Predictive Models for the Monitoring of Cloud Services Quality: A Deep-Learning-based Approach
Duration: 2019 to 2024
Funded by Ecuador government & Central Bank of Ecuador
Supervisor: Silvia Abrahão
- Geovanny Conrado
Research topic: A Model-Driven Framework for Managing Vulnerabilities in the Continuous Delivery of Cloud Services
Duration: 2019 to 2014
Supervisor: Silvia Abrahão

- Sonia Montagud
Research topic: A Framework for the Implementation and Continuous Improvement of Agile Processes in Software Development Organizations
Duration: 2018 to 2024 (Part-time PhD student)
Supervisor: Silvia Abrahão
- Luisa Fernanda Gómez Muñoz
Research topic: Model-based Intelligent Microservices Adaptation for DevOps processes
Duration: 2019 to 2025 (Part-time PhD student)
Supervisors: Emilio Insfran and Silvia Abrahão
- Daniel Gaspar Figueiredo
Research topic: UX-based Intelligent User Interface Adaptation
Duration: 2021 to 2025
Funded by Generalitat Valenciana under the ACIF program (Grants for hiring predoctoral research staff)
Supervisors: Silvia Abrahão and Emilio Insfran

MSc Theses Supervised (11):

- Co-supervision of the MSc Thesis of Fernando Carceller Llorens. Emotion Detection using Machine Learning Techniques, Master's Program in Software Systems Engineering and Technology, Department of Computer Science, Universitat Politècnica de València, September 2023.
- Co-supervision of the MSc Thesis of Daniel Gaspar Figueiredo. Towards a Decision-Making System for the Adaptation of Software Systems based on Electroencephalography (EEG), Master's Program in Software Systems Engineering and Technology, Department of Computer Science, Universitat Politècnica de València, September 24, 2021.
- Co-supervision of the MSc Thesis of Luisa Fernanda Gómez Muñoz. A Framework for Supporting the Adaptation of Microservices and Containers in DevOps Processes, Master's Program in Software Systems Engineering and Technology, Department of Computer Science, Universitat Politècnica de València, September 23, 2020.
- Co-supervision of the MSc Thesis of Carlos Cano Genovés. Extension and Improvement of a Method for Deriving and Prioritizing Value in Business Processes, Master's Program in Software Systems Engineering and Technology, Department of Computer Science, Universitat Politècnica de València, July 24, 2017.
- Supervision of the MSc Thesis of Raquel Navas. A Quality Model for Cloud Services, Master's Program in Software Systems Engineering and Technology, Department of Computer Science, Universitat Politècnica de València, September 29, 2016.
- Supervision of the MSc Thesis of Javier Jimenez Gómez. A Method for Specifying Value in Business Process and the Incremental Derivation of Cloud Services, Master's Program in Software Systems Engineering and Technology, Department of Computer Science, Universitat Politècnica de València, September 29, 2016.
- Supervision of the MSc Thesis of Carlos Pérez Castillo. IMBIS: Information Systems for Imaging Biomarkers, MSc Program in Software Engineering, Master's Program in Software Systems Engineering and Technology, Department of Computer Science, Universitat Politècnica de València, September 27, 2012.
- Co-supervision of the MSc Thesis of Clara Khachan Cano. A Framework for the Automatic Analysis of Software Product Lines, MSc Program in Software Engineering, Formal Methods and Information Systems, Department of Computer Science, Universitat Politècnica de València, July 14, 2011.
- Co-supervision of the MSc Thesis of Javier González Huerta. Integration of Quality Attributes in Software Product Line Development, Master's Program in Software Engineering, Formal Methods and Information Systems, Department of Computer Science, Universitat Politècnica de València, September 29, 2011.

- Supervision of the MSc Thesis of Sonia Montagud Gregori. A SQuaRE-based Method for Evaluating Quality in Software Product Lines, Master's Program in Software Engineering, Formal Methods and Information Systems, Department of Computer Science, Universitat Politècnica de València, December 14, 2009.
- Co-supervision of the MSc Thesis of Adrián Fernández Martínez. WUEP: A Usability Evaluation Process for Model-Driven Web Development, Master's Program in Software Engineering, Formal Methods and Information Systems, Department of Computer Science, Universitat Politècnica de València, December 14, 2009.

Master Theses Supervised in International Programs:

- Co-supervision of Master's thesis of Vito Giacobelli. *Design and Development of a Tool for supporting the application of a Web usability evaluation method.* Supervisors: Emilio Insfran and Silvia Abrahao (U. P. València), 2013.
- Co-supervision of Master's thesis of Davide Ronca. *Improving the Existing Automatic Testing Tools for AJAX Applications.* Supervisors: Filomena Ferrucci (University of Salerno) and Silvia Abrahao (U. P. València), 2010.
- Co-supervision of Master's thesis of Lucia di Marco. *A COSMIC Measurement Procedure for Estimating Size in a Model-driven Web Development Process.* Supervisors: Filomena Ferrucci (University of Salerno) and Silvia Abrahao (Universitat Politècnica de València), 2010.

Master Theses Supervised:

- Supervision of Master's thesis of Isabel Santoja Soto, Usability Evaluation of User Interfaces: Combining Heuristic Evaluation with User Testing, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, September 21, 2023.
- Supervision of Master's thesis of Francisco Garcia Gonzalvez, Migrating a Software Module a Microservice in an Industrial Context, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, March 28, 2023.
- Supervision of Master's thesis of Carlos Dominguez Coronado, Automating a Management Module in a Software Development Project, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, July 20, 2021.
- Supervision of Master's thesis of José Miguel Álvarez Vañó, Comparative Model for Cloud Platforms and Evaluation of Microsoft Azure, Google App Engine and Amazon EC2, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, April 18, 2018.
- Supervision of Master's thesis of Oleksandr Kilaru, Visualization Mechanisms for Cloud Services Monitoring, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, December 10, 2017.
- Supervision of Master's thesis of Andrés Felipe Paéz Rosales, A Monitor for Assessing the Quality of Cloud Services in Google App Engine, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, September 14, 2016.
- Supervision of Master's thesis of Javier Jiménez Gómez, A Configurator for Assessing the Quality of Cloud Services in Google App Engine, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, September 14, 2016.
- Supervision of Master's thesis of Javier Jiménez Gómez, Monitoring Middleware for Cloud Services, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, September 11, 2015.
- Supervision of Master's thesis of Jorge Pastor Pérez, Study and Classification of Types of Web applications and the determination of relevant usability attributes, Escola Tècnica Superior d'Enginyeria Informàtica, Universitat Politècnica de València, Sept. 30, 2013.

- Supervision of Master's thesis of Javier González Huerta, *Quality-driven model transformations*, Faculty of Informatics, Universitat Politècnica de València, February 2010.
- Supervision of Master's thesis of José Ignacio García Iranzo, *A software tool for estimating the size of object-oriented software projects from requirements specifications*, Faculty of Informatics, Universitat Politècnica de València, September 2007.
- Supervision of Master's thesis of Alonso Verdoy Gómez, *Building an infrastructure for supporting project benchmarking activities*, Faculty of Informatics, Universitat Politècnica de València, July 2005.
- Supervision of Master's thesis of Jorge Sánchez Garcia, *Implementing a Corporative Database*, Faculty of Informatics, Universitat Politècnica de València, 2005. Project carried out in the context of Descals S.A, Spain.
- Supervision of Master's thesis of Nuria Herranz Moragón, *On the development of online shops for selling products through Internet*, Faculty of Informatics, Universitat Politècnica de València, March 2005.
- Supervision of Master's thesis of Jose Maria Ortiz Cabezas, *Evaluating the Quality of Conceptual Models*, Escuela Técnica Superior de Informática Aplicada, Universitat Politècnica de València, 2004.
- Supervision of Master's thesis of Fernando Verdú Castillo, *E-commerce Web Application Development*, Faculty of Informatics, Universitat Politècnica de València, 2004.
- Supervision of Master's thesis of Enric Bousoño Borrull and Francisco Pérez Garcia, *Web Portal for Software Project Estimation*, Escuela Técnica Superior de Informática Aplicada, Universitat Politècnica de València, 2004. This project was carried out in the context of the company CARE Technologies S.A, Spain.
- Supervision of Master's thesis of Márcio Yuji Fujiy, *Development Process of the Authentication and ExpenseR Projects*, Department of Computer Science, Federal University of São Carlos, Brazil, 1999. This project was carried out in the context of the company Walar Informática Ltda., São Paulo, Brazil.

PhD Thesis Committee Member (23):

- José Vicente Pereira dos Reis
Streamlining Code Smells: Using Collective Intelligence and Visualization
Department of Information Science and Technology, Instituto Universitário de Lisboa, Portugal
Supervisors: Fernando Brito e Abreu and Glauco Carneiro
Role: External Examiner
Defense date: September 9, 2022
- Nadhratunnaim Nasarudin
Combining Fault Localization with Information Retrieval: an Analysis of Accuracy and Performance for Bug Finding
Department of Computer Science, University of York
Supervisors: Richard Paige
Role: External Examiner
Defense date: April 4, 2022
- Maxime Savary-Leblanc
Augmenting Software Engineers with Modeling Assistants
CRISAL, Université de Lille, Lille, France
Supervisors: Sébastien Gérard and Xavier Le Pallec
Role: Examiner
Defense date: December 15, 2021
- Angela Barriga Rodríguez

- PARMOREL: Personalized and Automatic Repair of Models Using Reinforcement Learning
 Department of Computer Science, Electrical Engineering and Mathematical Sciences, Western Norway University of Applied Sciences, Bergen, Norway
 Supervisors: Rogardt Heldal and Adrian Rutle
 Role: Opponent
 Defense date: December 6, 2021
- A User-Centric Approach to Improve the Quality of UML-like Modelling Tools and Reduce the Efforts of Modelling
 Doctoral candidate: Parsa Pourali
 Dept of Electrical and Computer Engineering, University of Waterloo, Canada.
 Supervisors: Joanne Atlee and Krzysztof Czarnecki
 Role: External Examiner
 Defense date: January 14, 2020
 - A Value-Driven Framework for Software Architecture
 Doctoral candidate: Eric Rocha de Souza
 Faculdade de Ciências e Tecnologia
 Universidade Nova de Lisboa
 Supervisor: Ana Moreira
 Role: Titular Board Member (External Examiner) and CAT member
 Defense date: December 18, 2019
 - Partial Evaluation of Equational Logic Theories
 Doctoral candidate: Ángel Cuenca Ortega
 Department of Computer Systems and Computation
 Universitat Politècnica de València
 Supervisors: Maria Alpuente and Santiago Escobar
 Role: President of the Evaluation Committee
 Defense date: September 27, 2019
 - Uncertainty-wise Cyber-Physical Systems Testing
 Doctoral candidate: Man Zhang
 Simula Research Laboratory & Department of Informatics
 Faculty of Mathematics and Natural Sciences, University of Oslo
 Supervisors: Tao Yue and Shaukat Ali
 Role: First Opponent
 Defense date: June 26, 2018
 - Studying the Benefits of Using UML on Software Maintenance: An Evidence-Based Approach
 Doctoral candidate: Ana Fernández Saez
 University of Leiden (The Netherlands), and University of Castilla-La Mancha
 Supervisors: Michel R.V. Chaudron and Marcela Genero
 Role: External Examiner
 - Synthesis of Execution Plans for the QVT Core Language
 Doctoral candidate: Horacio Hoyos Rodríguez
 Department of Computer Science, University of York, UK
 Supervisor: Dimitris Kolovos
 Role: Titular Board Member (External Examiner)
 Defense date: October 25, 2017
 - Mining and Enhancing MDE Repositories
 Doctoral candidate: Francesco Basciani
 Dipartimento di Ingegneria e Scienze Dell'informazione e Matematica, Università Degli Studi Dell'aquila, Italy
 Supervisor: Alfonso Pierantonio
 Role: External Examiner
 Defense date: April 2017

- A Mature Agile Approach in Web Engineering Contexts
 Doctoral candidate: Carlos J. Torrecilla Salinas
 Computer Languages and Systems Department, University of Seville, Spain
 Supervisors: Maria José Escalona Cuaresma and Manuel Mejías Risoto
 Role: Titular Board Member
 Defense date: February 24, 2017
- QSGAME-MODEL: A Serious Game Product Quality Model
 Doctoral candidate: Lilia del Carmen Garcia Mundo
 Department of Information Systems and Technologies, University of Castilla-La Mancha
 Supervisors: Marcela Genero and Mario Piattini
 Role: President of the Evaluation Committee
 Defense date: July 20, 2016
- Advanced Features in Protocol Verification: Theory, Properties, and Efficiency in Maude-NPA” (International PhD distinction).
 Doctoral candidate: Sonia Santiago Pinazo
 Department of Computer Science, Universitat Politècnica de València, Spain
 Supervisor: Santiago Escobar Román
 Role: President of Evaluation Committee
 Defense date: January 23, 2015
- Modeling Business and Requirements Interdependencies for Architectural Decision Making (International PhD distinction)
 Doctoral candidate: José Javier Berrocal Olmeda
 Department of Computer and Telematic Systems Engineering, University of Extremadura, Spain
 Supervisor: Juan Manuel Murillo Rodríguez
 Role: Titular Board Member
 Defense date: October 30, 2014
- Comprehensive Solution to Improve Collaborative and Features in Ubiquitous and Context-Aware Healthcare environments (International PhD distinction).
 Doctoral candidate: Juan Enrique Garrido Navarro
 Department of Computer Science, University of Castilla-la-Mancha, Spain
 Supervisors: Víctor Penichet and Maria Dolores Lozano
 Role: Titular Board Member
 Defense date: July 28, 2014
- Supporting Stability in Composition Programming Tasks
 Doctoral candidate: Francisco Dantas
 Informatics Department, PUC-Rio, Brazil
 Supervisor: Alessandro García
 Role: Titular Board Member
 Defense date: March 15, 2013
- Detection of Design Defects Through Code Metrics (in Spanish)
 Doctoral candidate: Carlos López Nozal
 Department of Computer Science, University of Valladolid, Spain
 Supervisors: Yania Crespo and María Esperanza Manso
 Role: Titular Board Member
 Defense date: December 19, 2012
- Impact of Model-Driven Development on the improvement of productivity, maintainability and satisfaction of Web 2.0 (in Spanish)
 Doctoral candidate: Yulkeidi Martínez Espinosa
 Supervisors: Cristina Cachero Castro and Santiago Meliá Beigbeder.
 Department of Computer Science, University of Alicante, Spain.
 Role: Titular Board Member
 Defense date: December 14, 2012
- User Centred Evaluation in Experimental and Practical Settings
 Doctoral Candidate: Marta Kristín Lárusdóttir

School of Computer Science and Communication, Royal Institute of Technology (KTH), Stockholm, Sweden
Supervisor: Jan Gulliksen
Role: Opponent
Defense date: June 8, 2012

- Guidelines for Managing Software Development Teams: Experimental Studies on the Impact of Personality and Team Climate on Quality and Job Satisfaction
Doctoral candidate: Marta Gómez Pérez
Department of Computer Science, Universidad Autónoma de Madrid, Spain
Supervisors: Silvia Teresita Acuña and Natalia Juristo
Role: Titular Board Member
Defense date: July 28, 2010
- A-OOH: Extending Web Application Design with Dynamic Personalization (European PhD distinction)
Doctoral candidate: Irene Garrigós Fernández
Department of Computer Science, University of Alicante, Spain
Supervisor: Jaime Gómez
Role: Titular Board Member
Defense date: July 8, 2008
- A Measurement-Based Approach for Assessing UML StateChart Diagrams Understandability (European PhD distinction)
Doctoral candidate: José Antonio Cruz Lemus
Department of Computer Science, University of Castilla-La-Mancha, Spain
Supervisors: Marcela Genero and Mario Piattini
Role: Titular Board Member
Defense date: July 27, 2007

Seminars and Conferences Organization

Organization of Research Visits, Seminars and Invited Conferences (22)

1. *A DevOps Approach for Extending Cloud Computing to the Edge* by **Grace Lewis, Carnegie Mellon Software Engineering Institute**, September 24, 2018, invited conference at the Department of Computer Systems and Computation at the UPV.
2. *Expanding on the Twin Peaks Model: On the Interplay of Requirements and Design* by **Bran Selic, Malina Software Corp. (Canada) and Simula Research Laboratory (Norway)**, October 19, 2016, invited conference at the Department of Computer Systems and Computation at the UPV.
3. *Integrating Metamodel Driven Measurement in the Eclipse IDE*. Invited Conference by **Prof. Fernando Brito e Abreu, Universidade Nova de Lisboa (Portugal)**, December 12, 2013, funded by the School of Engineering in Computer Science at UPV.
4. *Evidence Synthesis of Qualitative Research: Evidence Synthesis and Thematic Synthesis*. Seminar by **Prof. Tore Dybå, Chief Scientist and Research Manager at SINTEF and Dr. Daniela S. Cruzes, Norwegian University of Science and Technology (Norway)**, November 22, 2012, funded by the School of Engineering in Computer Science at UPV and the ISSI research group.
5. *Performance Analysis of Domain Specific Models*. Invited conference by **Prof. Antonio Vallecillo, University of Málaga (Spain)**, February 13, 2012, funded by the Department of Computer Systems and Computation at UPV.
6. *Software Process and Value Creation*. Invited conference by **Prof. Hakan Erdogmus, University of Calgary & Kalemun Research Inc. (Canada)**, November 17, 2011, funded by the School of Engineering in Computer Science at UPV.
7. *An Overview of Software Product Lines Adoption*. Invited conference by **Dr. Lawrence Jones, Software Engineering Institute (SEI), Carnegie Mellon University (USA)** June 13, 2011, funded by the Department of Computer Systems and Computation, UPV.

8. *From single product software companies to collectives*. Invited conference by **Prof. Michael Weiss, Carleton University**, Ottawa (Canada), July 21, 2011, funded by the Department of Computer Systems and Computation at UPV.
9. *The Art of Estimating. A Practical Guide on Generating Estimates*. Training course for the PhD students on Software Engineering, Formal Methods and Information Systems at the UPV, by **Andy Nolan, Chief of Software Improvements at Rolls-Royce Plc**, Derby (UK), March 21-25, 2011, funded by Rolls-Royce Plc.
10. *Building and Maintaining Modern Software Quality Models. Course* for the PhD students on Software Engineering, Formal Methods and Information Systems at the UPV, by **Dr. Stefan Wagner, Technische Universität München** (Germany), March 14-22, 2010, funded by the ERASMUS program.
11. *Size isn't everything! Using Six Sigma Principles to Optimise the Cost of Software Development*. Invited conference by **Andy Nolan, Chief of Software Improvements at Rolls-Royce Plc**, Derby (UK), October 29, 2009, funded by the Department of Information Systems and Computation at UPV.
12. *Quality Issues of Accessibility Evaluation Methods*. Invited conference by **Dr. Giorgio Brajnik**, Dip. di Matematica e Informatica, **Università di Udine (Italy)**, April 23, 2009, funded by the ERASMUS program.
13. *Vector-oriented Retrieval in XML Data Collections*. Invited conference by **Prof. Jaroslav Pokorný**, Dept. of Software Engineering, **Charles University** (Czech Republic), March 26, 2009.
14. *Investigations into Effectiveness of Software Modeling*. Invited conference by **Prof. Michel Chaudron**, Dept. of Mathematics and Computing Science, **Eindhoven University of Technology** (The Netherlands), January 23, 2008, funded by the Department of Computer Systems and Computation at UPV.
15. *A Study of Success Factors in Industry-Academia Collaboration*. Invited conference by **Prof. Claes Wohlin, Dept. of Systems and Software Engineering School of Engineering Blekinge Institute of Technology** (Sweden), November 15, 2007, funded by the Department of Computer Systems and Computation, UPV.
16. *Defining Software Product Measures That Make Sense*. Invited conference by **Prof. Sandro Morasca**, Dipartimento di Scienze della Cultura, Politiche e dell'Informazione, **Università degli Studi dell'Insubria**, Como (Italy), Nov. 18, 2007, funded by the Department of Computer Systems and Computation, UPV.
17. *Investigating Within- vs. Cross-company Predictions for Web projects*. Invited conference by **Dr. Emilia Mendes, University of Auckland** (New Zealand), Sep 08, 2006, funded by the Dept of Computer Systems and Computation, UPV.
18. *Language-oriented Software Development and Rewriting Logic*. Invited conference by **Dr. Christiano Braga, Federal Fluminense University**, Niterói (Brazil), Feb 21, 2005, funded by the Dept of Computer Systems and Computation, UPV.
19. *Impedance Mismatches in Web Application Modeling and Development*. Invited conference by **Prof. Steve Liddle, Brigham Young University**, Provo, Salt Lake City (EE. UU), November 24, 2003, funded by the Faculty of Informatics at UPV, funded by the Faculty of Informatics at UPV.
20. *Applying Function Points to the delivery of IT services*. Invited conference by **Prof. Eberhard Rudolph, University of Brisbane** (Australia), funded by the Faculty of Informatics at UPV.
21. *Software Layers and Peer Items in the COSMIC-FFP Meta-Model as Applied to Model-Driven Architectures*. Invited conference by **Prof. Geert Poels, University of Ghent** (Belgium), Feb 20, 2003, funded by the Faculty of Informatics at UPV.
22. *Web Metrics: Principles and Utility*. Invited conference by **Dr. Luis Olsina, National University of La Pampa** (Argentina), March 27, 2003, funded by the Faculty of Informatics at UPV.

Teaching innovation teams and projects	<p><u>Participation in Teaching Innovation Teams</u></p> <ul style="list-style-type: none"> EICE. Innovation in Assessment for the Improvement of Active Learning. 01/09/22 - 31/08/23, 01/09/21 - 31/08/22, 01/09/20 - 31/08/21, 01/09/19 - 31/08/20, 01/09/18 - 31/08/19 and 01/06/18 - 31/08/18. <p><u>Participation in Teaching Innovation Projects</u></p> <ul style="list-style-type: none"> PIME. Project-Based Learning in the Computer Science Degree. 01/09/20 - 31/08/21, 01/09/19 - 31/08/20 and (01/09/18 - 31/08/19).
Mobility Programs	<p><u>Participation in EU Teaching Mobility Programs</u></p> <ul style="list-style-type: none"> ERASMUS+/Staff Mobility for Teaching, teaching the courses on “Software Quality” and “Value-Driven Cloud Services Development” at the Universidade Nova de Lisboa, Portugal, June 16-21, 2019. ERASMUS+/Staff Mobility for Teaching, teaching the courses on “Monitoring the quality of cloud services” at the Vilnius Gediminas Technical University, Vilnius, Lithuania, March 14-18, 2016. ERASMUS+/Staff Mobility for Teaching, teaching the courses on “Software Quality and Estimation” and “Designing Highly Usable Web-based Applications” at the Turku University of Applied Sciences, during the TUAS International Week for Teachers 2015, Turku, Finland, January 02-05, 2015. ERASMUS/Permanent Learning Program, teaching the Seminar “Quality of Web Applications” at the Dipartimento di Matematica e Informatica University of Udine, Italy, January 16-22, 2012.
University Service	<p><u>Participation in Academic Programs and Committees</u></p> <ul style="list-style-type: none"> <i>Director</i> of the Master’s Degree in Software Engineering and Technology, Department of Computer Systems and Computation (DSIC), Universitat Politècnica de Valencia, since September 2023. <i>Member of Claims Commission</i> for the MSc program in Software Engineering, Formal Methods and Information Systems, Department of Computer Systems and Computation, Universitat Politècnica de Valencia, since 2013. <i>Elect Member of the Representative Committee</i> Faculty of Informatics at the Universitat Politècnica de Valencia, Spain. Period: 2004/2005, 2005/2006, 2006/2007, 2007/2008 and 2008/2009 <i>Chair of the Thesis Evaluation Committee</i> (Software Engineering Intensification) MSc program in Software Engineering, Formal Methods and Information Systems (Program with a quality distinction by the National Commission for the Evaluation of Research Activity), Dept. Information Systems and Computation, Universitat Politècnica de València. Period: 2012/2013 <i>Titular Board Member of the Thesis Evaluation Committee</i> MSc program in Software Engineering, Formal Methods and Information Systems (Program with a quality distinction by the National Commission for the Evaluation of Research Activity) Dept. Information Systems and Computation, Universitat Politècnica de València. Period: 2006/2007, 2007/2008 and 2008/2009 <i>Member of the Representative Committee</i> of the Department of Computer Systems and Computation, Universitat Politècnica de València, Spain. Universidad Politècnica de Valencia Period: 2004/2005, 2005/2006, 2006/2007, 2007/2008 y 2008/2009 <i>Academic Tutor for the INTEGRA Tutorial Action Plan (PATU)</i> The objective is to support first-year students’ successful transition to college at the Universitat Politècnica de Valencia. School of Engineering in Computer Science (ETSIAP-UPV) Period: 2006-2007 / 2007-2008, 2008-2009, 2009-2010 and 2012-2013.

- *Academic Tutor for the Industrial Internship Program*
The objective is to support last-year students' successful transition from the University to the Industry.
Faculty of Informatics (FI-UPV)
Period: 2004-2005 / 2006-2007

Awards & Recognitions

- Included in the “Best Women Scientists in Spain” ranking elaborated by the CSIC, being the 12th out of 53 women scientists of the Universitat Politècnica de València (UPV) and the first place out of 10 scientists of the Department of Computer Systems and Computation - DSIC) at the UPV, March 2022.
- Selected among the “50 most Distinguished Women Scholars at the UPV” for my scientific contributions (4 faculty members from the Department of Computer Systems and Computation), February 2019. See news at
 - UPV website: <https://www.upv.es/noticias-upv/noticia-10798-tu-puedes-camb-es.html>
 - Levante: <https://www.levante-emv.com/comunitat-valenciana/2019/02/11/politecnica-reivindica-50-investigadoras-top-13921056.html>),
- Research grant to visit the Carnegie Mellon University (Software Engineering Institute) as Research Affiliate from March to July 2012 (6 months), Spanish Ministry of Science and Innovation under the “Salvador de Madariaga” program.
- Research grant to visit the Carnegie Mellon University (Software Engineering Institute) as Research Affiliate from Oct. 2010 to March 2011 (5 months), Spanish Ministry of Science and Innovation under the “José Castillejo” program.
- Bancaja Award for the supervision of the Master's thesis titled “Web Portal for Software Project Estimation”, ETSINF, UPV, 2004.
- Research Fellow for Research Personal Formation (FPI), granted by the Universitat Politècnica de València, 2000-2002.
- Research Fellow (DTI-7G), granted by the National Research Council of Brazil (CNPq), 1996-1998.

Languages

- English (fluent in reading, writing and speaking)
- Spanish (fluent in reading, writing and speaking)
- Portuguese (mother tongue)

Memberships

- Spanish Research Consortium for Informatics and Mathematics (SpaRCIM), 2003-2017
- International Society for Web Engineering (ISWE), 2007-2009
- Spanish Software Metrics Association (Board Member), 2003-2007
- IEEE Computer Society
- ACM