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Silvia Abrahão

Education

- PhD in Computer Science, Department of Information Systems and Computation, 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 in Informatics Engineer), Faculty of Informatics of the University of Lins (Unilins), Lins, São Paulo, Brazil (1992-1995).

Academic Positions and Courses Taught

- **Associate Professor** (*Prof. Titular de Universidad*), Department of Information Systems and Computation, Universitat Politècnica de València, Spain (2010-...)
 - Courses taught at the *Computer Science Degree*:
 - Requirements Engineering (IDR): 2011-2012
 - Advanced Software Engineering (TSA): 2011-2012
 - Databases (BDA): 2010-2011
 - Courses taught at the *Software Engineering, Formal Methods and Information Systems PhD Program*:
 - Quality of Web Information Systems (CSI): 2010-2011, 2011-2012
- **Research Affiliate**, Research, Technology, and System Solutions (RTSS) Program at *Software Engineering Institute (SEI)*, Carnegie Mellon University, Pittsburgh, USA, Nov. 2010 to Feb. 2011 & March to July 2012.
- **Tenured Assistant Professor** (*Prof. Contratado Doctor / Prof. Colaborador*), Department of Information Systems and Computation, Universitat Politècnica de València, Spain (2005-2010)
 - Courses taught at the *Computer Science Degree*:
 - Databases (BDA): 2005/2006, 2006-2007, 2007-2008 and 2008-2009, 2009-2010
 - 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 Information Systems and Computation, 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 Information Systems and Computation, 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** (*Becaria 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 Positions

- 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.

Research Projects, Research Networks and Grants

- **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 31/12/2012
Main 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).
Total amount granted: 151.492 €
- **Usability in Service-Oriented Product Line Engineering**
 Granted by the Ministry of Education, Culture and Sport (PHB2011-0015-PC)
Duration: Jan. 2012 to Dic. 2013
Main researcher: Silvia Abrahão (UPV coordinator) & Eduardo Santana de Almeida (UFBA coordinator).
Number of researchers: 15 researchers from the Universitat Politècnica de

Valencia (UPV) and Federal University of Bahia (UFPA)

- **Spanish Network in Web Services: Engineering, Technologies and Architectures**
Granted by the Spanish Ministry of Science and Innovation (TIN2007-29678-E)
Duration: 2008 to 2011
Main researcher: Esperanza Marcos (Rey Juan Carlos University).
Number of researchers: partners from 23 Spanish research groups
- **Integration of Quality in Model-Driven Software Development (CALIMO)**
Granted by *Generalitat Valenciana, Conselleria de Educaci3n - GV/2009/103*
Duration: 01/01/2009 until 31/12/2011
Main researcher: Silvia Abrah3o
Number of researchers: 5 researchers from U. Polit3cnica de Val3ncia.
Total amount granted: 10.200 €
- **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: 01/10/2006 until 30/09/2009
Main researcher: Isidro Ramos Salavert
Number of researchers: 15 researchers from Universidad Polit3cnica de Val3ncia, Universidad de Castilla-La Mancha, Universidad de Murcia, Universidad Polit3cnica de Cartagena, and European Software Institute
Total amount granted: 169.400 €
- **Quality-Driven Model Transformations**, Granted by the Universidad Polit3cnica de Val3ncia, with reference UPV- 20080008.
Duration: 04/12/2007 until 04/12/2009
Main researcher: Silvia Abrah3o
Number of researchers: 5 researchers from Univ. Polit3cnica de Val3ncia.
Total amount granted: 9.500 €
- **From Requirements to UML Models: A Model-Driven Approach**, Granted by the *Generalitat Valenciana, Conselleria de Educaci3n*.
Duration: 01/01/2008 until 01/01/2009
Main researcher: Emilio Insfran
Number of researchers: 3 researchers from Univ. Polit3cnica de Val3ncia.
Total amount granted: 15.800 €
- **Development of E-services for the New Digital Society (DESTINO)**, Granted by the Ministry of Science and Education (CICYT project) with funding of FEDER, with ref. TIN2004-03534.
Duration: 01/01/2005 until 31/12/2007
Main researcher: Vicente Pelechano
Number of researchers: 17 researchers of Universitat Polit3cnica de Val3ncia
Total amount granted: 218.000 €
- **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
Main researcher: Coral Calero (University of Castilla-La-Mancha)
Total amount granted: 48.000 €
Number of researchers: 98 researchers from 19 Spanish universities, 5 Latin-american companies, and 5 companies.
- **Spanish Network on Model-Driven Software Development (DSDM)**
Granted by the Ministry of Science and Education, with ref. TIN2005-25866E
Duration: 2005 to 2007
Main researcher: Antonio Vallecillo Moreno (University of Malaga)
Total amount granted: 40.000 €
Number of researchers: 100 researchers from 15 Spanish universities and 4 companies.

- ***Towards the Maturation of Usability Evaluation (MAUSE)***
 Granted by the European Union COST Action 294 (<http://www.cost294.org/>)
Duration: 2005-2009
Main researchers: Effie Lai-Chong Law (ETH, Zurich, action coordinator) & Silvia Abrahão (UPV Node coordinator).
Number of researchers: partners from 19 European countries
 Total amount granted: 248.000 €
- ***Grant to the Logic Programming and Software Engineering Group***
 Granted by the Valencian Agency of Science and Technology (I+D actions).
Duration: 01/01/2003 until 01/01/2004
 Main researcher: Prof. Isidro Ramos Salavert
 Number of researchers: 35
 Total amount granted: 46152,86 € (year 2003), 29529 € (year 2004)
- ***SPARCIM: Spanish Research Consortium for Informatics and Mathematics***
 Granted by the Ministry of Science and Technology - CICYT project (Spanish Research Funding Agency), with ref. TIC 2002-10628-E
Duration: 01/01/2001 until 31/01/2004
Main researchers: 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
 Total amount granted: 78.000 €
- ***Advanced Software Technology for the Software Engineering of the Information Society (TAISSI project)***
 Granted by the CICYT (Spanish Research Funding Agency), with ref. TIC2001-3530-C02-01.
Duration: 27/12/2001 until 27/12/2004
Main researcher: Oscar Pastor López
Number of researchers: 14
 Total amount granted: 110.309,75 €
- ***WEST: Web-Oriented Software Technology***
 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: 2000-2003.
Main researcher: Oscar Pastor López
Number of researchers: members of the ibero-american research groups.
 Total amount granted: 172.000 US
- ***WEE-NET: Web Engineering Network of Excellence***
 Granted by the European Commission (Alpha European Union Project)
Duration: 2004-2007
Main researchers: Symeon Retalis (Univ. of Piraeus, Greece, project lead)
Number of researchers: 10 research groups in Web engineering
- ***Software Quality and Estimation***
 Special Action of the Spanish Ministry of Science and Technology with reference TIC 2002-12274-E.
Duration: 2004
Main researcher: Oscar Pastor
Number of researchers: 9
 Total amount granted: 6.000 €

**Industry-Sponsored
Research Projects**

- ***M-Learning Portal for/based on Web Engineering Techniques***
Granted by the Socrates European Union Program
Duration: 2004-2007
Main researchers: Oscar Pastor (UPV Node coordinator)
Number of researchers: 13 research groups in Web Engineering from the European Union.
- ***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 – 2001
Main researcher: Oscar Pastor
Number of researchers: 13
Total amount granted: 28.705.000 ptas. (126.212,54 €)
- ***Object-Oriented Software Reengineering (OOSR)***
Granted by the National Research Council of Brazil (CNPq), RHA Program.
Organism: Federal University of São Carlos, Brszil
Duration: September 1996 until September 1998
Main researcher: Antonio Francisco do Prado
Number of researchers: 8
- ***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: 01/04/2011 until 30/09/2011
Main researcher: Silvia Abrahão
Number of researchers: 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: 01/03/2006 until 01/03/2007
Main researcher: Silvia Abrahão
Number of researchers: 3
Total amount granted: 17.400,00 €
- ***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: 01/12/2005 until 01/12/2006
Main researcher: Silvia Abrahão
Number of researchers: 3
Total amount granted: 40.800,00 €
- ***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: 01/01/2004 until 31/05/2006
Main researcher: Emilio Insfrán
Number of researchers: 3
Total amount granted: 51.500,00 €
- ***Quality of Conceptual Models***
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE Technologies S.A & Univ. Politècnica de València
Duration: 01/02/2004 until: 01/02/2005
Main researcher: Silvia Abrahão
Number of researchers: 2
Total amount granted: 10.700,00 €

- ***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: 01/02/2003 until: 31/01/2004
Main researcher: Silvia Abrahão
Number of researchers: 2
Total amount granted: 10.200,00 €
- ***PASMO: Automatic Production of Software from Organizational Models***
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CONSOFTE S.A. & Universitat Politècnica de València
Duration: 01/01/2003 until: 31/05/2004
Main researcher: Oscar Pastor
Number of researchers: 16
Total amount granted: 24.000,00 €
- ***Requirements Models for Information Systems***
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CARE- Technologies & Universitat Politècnica de València
Duration: 01/10/2001 until 01/01/2004
Main researcher: Emilio Insfrán
Number of researchers: 5
Total amount granted: 47.282,7 €
- ***Advanced OO-Method***
Type of contract: I+D+I (Research, Development, and Innovation)
Organizations: CONSOFTE S.A. & Universitat Politècnica de València
Duration: 31/12/2002 until: 31/12/2003
Main researcher: Oscar Pastor
Number of researchers: 9
Total amount granted: 32.000,00 €
- ***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: 21/03/2000 until 21/09/2001
Main researcher: Emilio Insfrán
Number of researchers: 6
Total amount granted: 35.462,1 €

Publications

Edited Proceedings:

- Chaudron M., Genero M., Abrahão S., Mohagheghi P., Pareto L. Proceedings of the 1st 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), October 17, Wellington, New Zealand. CEUR Workshop Proceedings Vol. 785, ISSN: 1613-0073.
- Teniente E., Abrahão S. Proceedings of the 15th Spanish Conference on Software Engineering and Databases (JISBD 2010), co-located with the 3rd Spanish Congress of Informatics (CEDI 2010), September 7-10, Valencia, Spain, ISBN: 978-84-92812-51-6. IBERGARCETA Pub. S.L., Madrid, 2010.
- Law E., Abrahão S., Stage J. Proceedings of the International Workshop on the Interplay between User Experience and Software Development (I-UxSED 2010), co-located with NordiCHI 2010, Reikjavick, Iceland, October 17, 2010. CEUR Workshop Proceedings Vol. 656, ISSN: 1613-0073.
- Slezak D., Kim T., Kiumi A., Jiang T., Verner J., Abrahão S. *Advances in Software Engineering*, Proc. of the International Conference on Advanced Software Engineering and Its Applications (ASEA 2009), Jeju Island, Korea, Dec. 10-12, 2009. Series: *Communications in Computer and Information Science*, Vol. 59, 2010, 360 p., ISBN: 978-3-642-10618-7, Springer.

- Abrahão S., Hornbæk K., Law E., Stage J. (Eds.) Proc. 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, Aug. 24, 2009. CEUR Workshop Proceedings Vol. 490, ISSN 1613-0073.
- Abrahão S., Law E., Stage J., Hornbæk K. and Juristo N. (Eds.) Proceedings of the International Workshop on the Interplay between Usability Evaluation and Software Development (I-USED 2008). ISTI-CNR, Pisa, Italy, September 24th 2008. Printed by: Audio Visual Services, University of Leicester, UK. CEUR Workshop Proceedings Vol. 407, ISSN 1613-0073.

Edited Special Issues of Journals:

- Matera M., Abrahão S., Cappiello C., Cachero C. (Eds.) Special Issue on Quality in New Generation Web Applications. *Journal of Web Engineering*, Impact Factor 0.412 (JCR 2008), ISSN: 1540-9589, Rinton Press, USA, 2012 (to appear)
- Abrahão S., Juristo N., Law E., Stage J. (Eds.) Special Issue on the Interplay between Usability Evaluation and Software Development. *Journal of Systems and Software* 83 (11): 2015-2018, 2010, Impact Factor 1.340 (JCR 2009), ISSN: 0164-1212, Elsevier.
- Abrahão S., Cachero C., Matera M. (Eds.) Special Issue on Web Usability and Accessibility. *Journal of Web Engineering* Vol. 7, No. 4, 2008, Impact Factor 0.412 (JCR 2008), ISSN: 1540-9589, Rinton Press, USA.

Submitted Manuscripts:

- Fernández A., Abrahão S., Insfran E., Empirical Validation of a Usability Inspection Method for Model-Driven Web Development, *Journal of Systems and Software*, ISSN: 0164-1212, Elsevier.

Refereed Journal Publications:

- Abrahão S., Gravino C., Insfran E., Scanniello G., Tortora G. Assessing the Effectiveness of Sequence Diagrams in the Comprehension of Software Requirements: Results from a Family of Five Experiments, *IEEE Transactions on Software Engineering*, ISSN: 0098-5589, 2012.
- Montagud, S. Abrahão S., Insfrán, E. A Systematic Review of Quality Attributes and Measures for Software Product Lines, *Software Quality Journal, Special Issue on Quality Engineering for Software Product Lines*, ISSN: 0963-9314, 2011, Impact Factor 0.977 (JCR 2009), Springer.
- Abrahão S., González-Huerta J., Insfrán E., Ramos I. Software Evolution in Model-Driven Product Line Engineering, *Ercim News* 88, Special Theme: Evolving Software, January 2012.
- Cruz-Lemus, J. A., Genero M., Caivano D., Abrahão S., Insfran, E., Carsí J. A. Assessing the Influence of Stereotypes on the Comprehension of UML Sequence Diagrams: A Family of Experiments, *Information and Software Technology* 53 (12): 1391-1403 (2011), Impact Factor 1.821 (JCR 2009), ISBN: 0950-5849, Elsevier.
- Abrahão S., Insfran, E., Carsí, J. A., Genero, M. Evaluating Requirements Modeling Methods based on User Perceptions: A Family of Experiments, *Information Sciences* 181 (2011) 3356–3378, Impact Factor 3.291 (JCR 2009), ISSN: 0020-0255, Elsevier.
- Fernández, A., Insfran, E., Abrahão S., Usability Evaluation Methods for the Web: A Systematic Mapping Study, *Information and Software Technology* 53 (2011) 789–817, Impact Factor 1.821 (JCR 2009), ISBN 0950-5849, Elsevier.
- Abrahão S., Gomez, J., Insfran, E., Validating a Size Measure for Effort Estimation in Model-Driven Web Development, *Information Sciences* 180 (20): 3932-3954, Impact Factor 3.291 (JCR 2009), ISSN: 0020-0255, 2010, Elsevier.

- Abrahão S., Poels G. A Family of Experiments to Evaluate a Functional Size Measurement Procedure for Web Applications, *Journal of Systems and Software (JSS)*, Vol. 82, No. 1, pp. 253-269, 2009, Impact Factor 1.340 (JCR 2009), ISSN 0164-1212, Elsevier.
- Blanes D., Insfran E., Abrahão S. A Requirements Engineering Approach for Developing Multi-Agent Systems, *International Journal of Software Engineering and Its Applications* Vol. 4, No. 2, 2010, ISSN: 1738-9984.
- Abrahão S., Poels, G. Experimental Evaluation of an Object-Oriented Function Point Measurement Procedure, *Information and Software Technology*, Vol. 49, No 4, 366-380, 2007, Impact Factor 1.821 (JCR 2009), ISBN: 0950-5849, Elsevier.
- Condori-Fernandez N., Abrahão S., and Pastor O. On the Estimation of Software Functional Size from Requirements Specifications, *Journal of Computer Science and Technology*, Vol. 22 No. 3, 358-370, 2007. Special Issue on Advances in Software Metrics and Software Processes, Impact Factor=0.576 (JCR 2008), ISSN: 1000-9000, Springer-Verlag.
- Abrahão S., Poels, G. and Pastor O. A Functional Size Measurement Method for Object-Oriented Conceptual Schemas: Design and Evaluation Issues *Journal on Software & System Modeling (SoSyM)*, Vol. 5, No. 1, 48-71, Springer-Verlag, 2005, Impact Factor 1.533 (JCR 2009), ISSN: 1619-1366.
- Abrahão S., and Pastor O. Measuring the Functional Size of Web Applications, *International Journal of Web Engineering and Technology (IJWET)*, Vol. 1, No. 1, 5-16, 2003. Inderscience Enterprises, Ltd., England, ISSN: 1476-1289.
- Pastor O., Abrahão S. M. and Fons J. J. Building E-Commerce Applications from Object-Oriented Conceptual Models, *ACM SIGecom Exchanges*, Vol. 2, No 2, Spring 2001, 24-32 pp., ISSN: 1551-9031, ACM Press.
- Condori-Fernandez N., Abrahão S., and Pastor O. “Functional Size Measurement Procedure based on a Requirements Model: Design and Application. *Process and Metrics Magazine (RPM)*, Vol. 1, No. 3, December 2004, pp. 29-37, ISSN: 1698-2029 (in Spanish).

Book Chapters:

- Abrahão S., Fernández A., Insfran E. “Designing Highly Usable Web-based Applications”, Computing Handbook Set (3rd Edition), Information Systems and Information Technology (Volume 2), Chapman and Hall/CRC Press, 2012 (to appear).
- Ferrucci F., Ronca D., Sarro F., Abrahão S. A Crawljax based Approach for the Automating Evaluation of AJAX Applications Accessibility, “Information Technology and Innovation Trends in Organizations”, A. D’Atri, M. Ferrara, JF George, P. Spagnoletti (Eds), ISBN: 978-3-7908-2631-9, 2011, Springer.
- Abrahão S., Genero, M. Quality in Model-Driven Software Development. In: *Quality of Software Products and Processes*, Ra-Ma Publishers, ISBN 978-84-7897-961-5, pp. 205-247, 2010 (in Spanish).
- Martínez A. F., Insfran E., Abrahão S. A SQUARE-based Web Usability Model for Model-Driven Development Processes. In: *Quality of Software Products and Processes*, Ra-Ma Publishers, ISBN 978-84-7897-961-5, pp. 621-653, 2010 (in Spanish).
- Abrahão S., Genero M., Insfran E., Carsí J. A., Ramos I., Piattini M. “Quality-Driven Model Transformations: From Requirements to UML Class Diagrams”, In: *Model-Driven Software Development: Integrating Quality Assurance*, Jörg Rech and Christian Bunse (Eds.), IGI Global Inc., 2008.
- Mendes E., Abrahão S. “Web Development Effort Estimation Approaches: An Empirical Analysis”, In: *Handbook of Research on Web Information Systems Quality*, Idea Group Inc., C. Calero, M^a Á. Moraga, M. Piattini (Eds.), IGI Global 2008, ISSN: 0950-5849.
- Abrahão S., Insfran E. “Experiences on Using Experimentation Techniques for Teaching Software Estimation”, TICAI2007: TICs para el Aprendizaje de

la Ingeniería, Martín Llamas Nistal, Carlos Vaz de Carvalho, y Carlos Rueda Artunduaga (Eds.) ISBN 978-84-8158-380-9, pp. 53-58, IEEE (in Spanish).

- Abrahão S., Iborra E., Vanderdonckt, J. “Usability Evaluation of User Interfaces Generated with a Model-Driven Architecture Tool”, In: *Maturing Usability: Quality in Software, Interaction and Value*. Springer Human-Computer Interaction Series, Vol. 10, E. Law, E. Hvannberg, and G. Cockton (Eds.), 2007, ISSN: 978-1-84628-940-8, Springer.
- Calero C., Abrahão S., García, F. O., Genero M. “Quality in Software Production”. *Software Factories: Experiences, technologies and organization*, M. Piattini and J. Garzás (Eds.), Ra-Ma Publishers, 2007 (In Spanish).
- Pastor O., Fons J., Pelechano V., and Abrahão S. “Conceptual Modeling of Web Applications: the OOWS approach”. In: *Web Engineering*, Mendes, E. (Eds.), ISBN: 3540281967, Springer, 1 edition (Dec. 2005), pp. 277-302.
- Abrahão S., and O. Pastor, “Quality of Web Systems”, In: *Quality in the Development and Maintenance of Software Systems*. Piattini, M.G. y García F.O., RA-MA Publishers, 344 pp. ISBN: 8478975446, Jan. 2003 (in Spanish).
- Pastor O., Abrahão S. M., Molina J. C., Torres I. “A FPA-like Measure for Object-Oriented Systems from Conceptual Models”. In: *Current Trends in Software Measurement*, Reiner Dumke, Alain Abran (Eds.), ISSN 1618-7946, Shaker Verlag, 2001.

Books:

- Abrahão S., On the Functional Size Measurement of Object-Oriented Conceptual Schemas: Design and Evaluation Issues, UMI ProQuest Digital Dissertations, ISBN 0-496-1510-3, 410 p., October 2004, 410 p.
- Abrahão S. M., Sant’Anna M. A Practical Introduction to Software Transformation System, J. L. Barros and A. Domínguez, March 1999, ISBN 84-699-0177-X.

Refereed International Conference Publications:

- Fernández A., Abrahão S., Insfran E. A Systematic Review on the Effectiveness of Web Usability Evaluation Methods, 16th International Conference on Evaluation & Assessment in Software Engineering (EASE 2012), Ciudad Real, Spain, May 14-15, 2012.
- Juristo N., Vegas S., Solari M., Abrahão S., Ramos I., Comparing the Effectiveness of Equivalence Partitioning, Branch Testing and Code Reading by Stepwise Abstraction Applied by Subjects, 5th International Conference on Software Testing, Verification and Validation (ICST 2012), Montreal, Canada, April 17-21, 2012.
- Nolan, A., Abrahão S., Clements, P., Pickard, A. Managing Requirements Uncertainty in Engine Control Systems Development, 19th IEEE International Requirements Engineering Conference (RE 2011), August 29th - September 2nd, 2011, Trento, Italy, ISBN 978-1-4577-0921-0, pp. 259-264, IEEE Press.
- Fernández, A., Abrahão, S., Insfran, E. A Web Usability Evaluation Process for Model-Driven Web Development, 23rd International Conference on Advanced Information Systems Engineering (CAiSE 2011), London, United Kingdom, LNCS 6741, pp. 108-122, Springer 2011.
- Nolan, A. J., Abrahão S., Clements, P., McGregor, J., Cohen, S. Towards the Integration of Quality Attributes into a Software Product Line Cost Model, 15th International Software Product Line Conference (SPLC 2011), Munich, Germany, Aug. 22-26, 2011, pp. 203-212, ISBN 978-0-7695-4487-8.
- Nolan, A. J., Abrahão S., Clements, P., Pickard, A. Requirements Uncertainty in a Software Product Line, 15th International Software Product Line Conference (SPLC 2011), Munich, Germany, August 22-26, 2011, pp. 223-231, ISBN 978-0-7695-4487-8.
- Abrahão S., Nolan, A. J., Clements, P., McGregor, J. First International Workshop on Quantitative Methods in Software Product Line Engineering,

15th International Software Product Line Conference (SPLC 2011), Munich, Germany, Aug. 22-26, 2011, pp. 341, ISBN 978-0-7695-4487-8.

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- 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, Queensland, Australia, 17-18 Nov 2005.
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2012:

- **Program Co-chair** for the Web Engineering Track at 8th International Conference on the Quality of Information and Communications Technology (QUATIC 2012), Lisbon, Portugal, September 3, 2012.
- **Program Committee Member** at 21st International World Wide Web Conference (WWW 2012), Web Engineering Track, Lyon, France, April 16-20, 2012.
- **Program Committee Member** at 16th International Software Product Line Conference (SPLC 2012), Salvador-BA, Brazil, September 02-07, 2012.
- **Program Committee Member** at 38th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA 2012), Software Process and Product Improvement (SPPI) & Software Management (SM) Tracks, Cesme, Turkey, Sept 5-8, 2012.
- **Program Committee Member** at 16th International Conference on Evaluation & Assessment in Software Engineering (EASE 2012), Ciudad Real, Spain, May 14-15, 2012.
- **Board of Advisors Member** at the International Doctoral Symposium on Empirical Software Engineering (IDoESE 2012), September 19, 2012, Lund, Sweden.
- **Program Committee Member** for the Special Session on Measurement as a Strategy for Software Value Management (MeSVAM), co-located with SEAA 2012, Cesme, Turkey, Sept 5-8, 2012.
- **Program Committee Member** at 12th International Conference on Web Engineering (ICWE 2012), Berlin, Germany, July 23-27, 2012.
- **Program Committee Member** at 8th International Conference on Web Information Systems and Technologies (WEBIST 2012), April 18-21, Porto, Portugal.
- **Program Committee Member** at 13th International Conference on Product-Focused Software Development and Process Improvement (PROFES 2012), Madrid, Spain, June 13-15, 2012.
- **Program Committee Member** at 2nd International Workshop on Services, Clouds, and Alternative Design Strategies for Variant-Rich Software Systems (SCArVeS 2012), co-located with SPLC 2012, Salvador - Brazil, September 02 - 07, 2012.
- **Program Committee Member** at 1st International Workshop on International Workshop on Requirements Engineering Practices On Software Product Line Engineering (REPOS), co-located with SPLC 2012, Salvador - Brazil, September 02 - 07, 2012.
- **Program Committee Member** at 6th International Conference on Research Challenges in Information Science (RCIS 2012), May 16-18, 2012, Valencia, Spain.
- **Program Committee Member** at 22nd International Workshop on Software Measurement (IWSM-MENSURA 2012), October 17-19, 2012, Assisi, Italy.
- **Program Committee Member** at 9th Software Measurement European Forum (SMEF 2012), June 25-26, 2012, Rome, Italy.
- **Program Committee Member** at 2nd Workshop on Managing the Client Value Creation Process in Agile Projects (VALOIR 2012), co-located with PROFES 2012, Madrid, Spain, June 13-15, 2012.
- **Program Committee Member** at 26th Brazilian Symposium on Software Engineering (SBES 2012), Natal - RN, Brazil, September 24-28, 2012.
- **Program Committee Member** at 11th Brazilian Symposium on Software Quality (SBQS 2012), Fortaleza - Ceará, Brazil, June 11-15, 2012.
- **Program Committee Member** at 15th Workshop on Requirements Engineering (WER 2012), April 24-27, 2012, Buenos Aires, Argentina.

2011:

- **Associate Chair** at 15th IFIP TC13 Conference on Human-Computer Interaction (INTERACT 2011), Lisbon, Portugal, September 5-9, 2011.
- **Program Committee Member** at 15th International Software Product Line Conference (SPLC 2011), Munich, Germany, August 22-26, 2011.
- **Program Committee Member** at 5th ACM / IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2011) – Short Papers Track, Sept. 22-23 in Banff, Canada.
- **Program Committee Member** at 12th International Conference on Product Focused Software Development and Process Improvement (PROFES 2011), Torre Canne, Italy, June 20-23, 2011.
- **Program Committee Member** at 37th Euromicro Conference on Software Engineering and Applications (2011), Special Session on Software Management, Oulu, Finland, August 30 to September 2, 2011.
- **Program Committee Member** at 11th International Conference on Web Engineering (ICWE 2011), Paphos, Cyprus, June 20-14, 2011.
- **Program Committee Member** at 1st Workshop on Services, Clouds, and Alternative Design Strategies for Variant-Rich Software Systems (SCArVeS 2011), co-located with SPLC 2011, Munich, Germany, August 22, 2011.
- **Program Committee Member** at 8th International Workshop on Software Quality (WoSQ 2011), co-located with ESEC/FSE, September 2011, Szeged, Hungary.
- **Program Committee Member** at 7th International Conference on Web Information Systems and Technologies (WEBIST 2011), May 6-9, Noordwijkerhout, The Netherlands.
- **Program Committee Member** at 5th IEEE International Conference on Research Challenges in Information Science (RCIS 2011), May 19-21 2011, Guadeloupe - French West Indies, France.
- **Program Committee Member** at 6th International Conference on Software and Data Technologies (ICSOFT 2011), July 18-21, 2011, Seville, Spain.
- **Program Committee Member** at 16th Spanish Conference on Software Engineering and Databases (JISBD 2011), A Coruña, Spain, September 5-7, 2011.
- **Program Committee Member** at 25th Brazilian Symposium on Software Engineering (SBES 2011), September 26-30, 2011, São Paulo, Brazil.
- **Program Committee Member** at 5th Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS 2011), September 26-30, 2011, São Paulo, Brazil.
- **Program Committee Member** at 10th Brazilian Symposium on Software Quality (SBQS 2011), Curitiba - Paraná, Brazil, June 06-10, 2011.

2010:

- **Program Committee Member** at 19th ACM Conference on Information and Knowledge Management (CIKM 2010), DB Track, October 26-30, 2010, Toronto, Canada.
- **Program Committee Member** at 11th International Conference on Product Focused Software Development and Process Improvement (PROFES 2010), Limerick, Ireland, June 21-23, 2010.
- **Program Committee Member** at 6th Nordic Conference on Human-Computer Interaction (NordiCHI 2010), Reykjavik, Iceland, October 16-20, 2010.
- **Program Committee Member** at 36th Euromicro Conference on Software Engineering and Applications (SEAA 2010), Special Session on Software Management, Lille, France, September 1-3, 2010.
- **Program Committee Member** at 10th International Conference on Web Engineering (ICWE 2010), Vienna, Austria, July 5 - 9, 2010.

- **Program Committee Member** at 6th International Conference on Web Information Systems and Technology (WEBIST 2010), Valencia, Spain, April 7-10, 2010.
- **Program Committee Member** at 4th International Conference on Research Challenges in Information Science (RCIS 2010), May 19-21, 2010, Nice, France.
- **Program Committee Member** at International Workshop on The Web and Requirements Engineering (WeRE'10), co-located with the Requirements Engineering (RE 2010) Conference, Sydney, Australia, September 2010.
- **Program Committee Member** at 5th International Conference on Software and Data Technologies (ICSOFT 2010), July 22-24, 2010, Athens, Greece.
- **Program Committee Member** at 13th Workshop on Requirements Engineering (WER 2010), April 12-13, 2010, Cuenca, Ecuador.
- **Program Committee Member** at 9th Brazilian Symposium on Software Quality (SBQS 2010), Belém, Pará, Brazil, June 07-11, 2010.
- **Program Committee Member** at 10th Spanish Conference on Human-Computer Interaction (INTERACCIÓN 2010), Valencia, Sept 7-10, 2010.

2009:

- **Program Committee Member** at 12th IFIP TC13 Conference in Human-Computer Interaction (INTERACT 2009), Ag 24-28, 2009, Uppsala, Sweden.
- **Program Committee Member** at 18th ACM Conference on Information and Knowledge Management (CIKM 2009), DB Track, November 2-6, 2009, Hong Kong, China.
- **Program Committee Member** at 10th International Conference on Product Focused Software Development and Process Improvement (PROFES 2009), June 15-17, 2009, Oulu, Finland.
- **Program Committee Member** at 35th Euromicro Conference on Software Engineering and Applications (SEAA 2009), Special Session on Software Management, Patras, Greece, August 27-29, 2009.
- **Program Committee Member** at 9th International Conference on Web Engineering (ICWE 2009), June 24-26, 2009, San Sebastian, Spain.
- **Program Committee Member** at 18th Conference on Information Systems Development (ISD 2009), Track on Information Systems Engineering & Management, Paphos, Cyprus, August 25-27, 2008.
- **Program Committee Member** at 3rd International Conference on Research Challenges in Information Science (RCIS 2009), April 22-24, 2009, Fes, Morocco.
- **Program Committee Member** at International Conference on Advanced Software Engineering & Its Applications (ASEA 2009), December 10-12, 2009, Jeju Island, Korea.
- **Program Committee Member** at 4th International Conference on Software and Data Technologies (ICSOFT 2009), 26-29 July 2009, Sofia, Bulgaria.
- **Program Committee Member** at International Workshop on Quality Assessment in Web (QAW 2009), in conjunction with ICWE 2009, San Sebastián, Spain, June 24-26, 2009.
- **Program Committee Member** at International Workshop on Open Design Spaces supporting User Innovation (ODS 2009), in conjunction with the International Symposium on End User Development (IS-EUD 2009), Siegen, Germany, March 2009.
- **Program Committee Member** at IADIS Ibero-American Conference WWW/Internet 2009, Alcalá, Madrid, Spain, 21 - 23 October 2009.
- **Program Committee Member** at 6th Software Measurement European Forum (SMEF 2009), 28-29 May 2009 in Rome, Italy.
- **Program Committee Member** at 12th Workshop on Requirements Engineering (WER 2009), July 16-17, 2009, Valparaiso, Chile.
- **Program Committee Member** at 13th Spanish Conference on Software Engineering and Databases (JISBD 2009), San Sebastián, Spain, September

8-11, 2009.

- **Program Committee Member** at 10th Spanish Conference on Human-Computer Interaction (INTERACCIÓN 2009), Barcelona, Sept 7-9, 2009.
- **Program Committee Member** at 8th Brazilian Symposium on Software Quality (SBQS 2009), Ouro Preto-MG, Brazil, June 01-05, 2009.

2008:

- **Program Committee Member** at 2nd ACM-IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2008), October 9-10, 2008, Kaiserslautern, Germany.
- **Program Committee Member** at 17th ACM Conference on Information and Knowledge Management (CIKM 2008), DB Track, User experience: languages, models, and interfaces area. October 26-30, 2008, Napa Valley-CA, USA.
- **Program Committee Member** at 34th IEEE Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2008), Special Session on Software Management, Parma, Italy, September 3-5, 2008.
- **Program Committee Member** at 9th International Conference on Product Focused Software Process Improvement (PROFES 2008), June 23-25, 2008, Frascati, Rome, Italy.
- **Program Committee Member** at IEEE International Conference on Research Challenges in Information Science (RCIS 2008), April 21-22, 2008, Marrakech, Morocco.
- **Program Committee Member** at 3rd International Conference on Software and Data Technologies (ICSOF 2008), 05-08 July 2008, Porto, Portugal.
- **Program Committee Member** at 17th Conference on Information Systems Development (ISD 2008), Track on Information Systems Engineering & Management, Paphos, Cyprus, August 25-27, 2008.
- **Program Committee Member** at 6th IEEE Latin American Web Congress (LA-WEB 2008), October 28-30, 2008, Vila Velha - ES, Brazil.
- **Program Committee Member** at 5th Software Measurement European Forum (SMEF 2008), May 2008, Milan, Italy.
- **Program Committee Member** at IEEE CEC Workshop on Business-Driven Enterprise Application Design & Evaluation, July 21, 2008, Crystal City, Washington D. C, USA.
- **Program Committee Member** at 7th Brazilian Symposium on Software Quality (SBQS 2008), June 02-06, Florianópolis-SC, Brazil.
- **Program Committee Member** at 11th Workshop on Requirements Engineering (WER 2008), September 2008, Barcelona, Catalonia, Spain.
- **Program Committee Member** at 3rd Workshop on Model Driven Software Engineering (MDSE'08) with an emphasis on Transformations and Tools, 6-7 November 2008, Budva, Montenegro.
- **Program Committee Member** at 2nd International Workshop on Web and Portals Quality (WEPOQ2008), In conjunction with the 8th International Conference on Web Engineering (ICWE 2008), July 14th - 18th 2008 - Yorktown Heights, New York, USA.
- **Program Committee Member** at 3rd International Workshop on Adaptation and Evolution in Web Systems Engineering (AEWSE2008), In conjunction with the 8th International Conference on Web Engineering (ICWE 2008), July 14th - 18th 2008 - Yorktown Heights, New York, USA.
- **Program Committee Member** at 9th Spanish Conference on Human-Computer Interaction (INTERACCIÓN 2008), Albacete, June 9-12, 2008.
- **Program Committee Member** at 3rd Portuguese Conference on Human-Computer Interaction (INTERACÇÃO 2008), Évora, Portugal, October 2008.

2007:

- **Program Committee Member** at ACM-IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2007), Madrid,

Spain, September 2007.

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

2006:

- **Program Committee Member** at 5th ACM-IEEE International Symposium on Empirical Software Engineering (ISESE 2006), Rio de Janeiro, Brazil, September 21-22, 2006.
- **Program Committee Member** at 6th International Conference on Computer-Aided Design of User Interfaces (CADUI 2006), Bucharest, Romania, June 5-8, 2006.
- **Program Committee Member** at 3rd International Workshop on Software Quality Assurance (SOQUA 2006), co-located with ACM SIGSOFT 2006 / FSE 14, Portland, Oregon, USA, November, 2006.
- **Program Committee Member** at 4th IEEE Latin American Web Congress (LA-WEB 2006), October 2006, Cholula, Mexico.
- **Program Committee Member** at 5th Brazilian Symposium on Software Quality (SBQS 2006), May 29 to June 02, Vila Velha - ES, Brazil
- **Program Committee Member** at IADIS Ibero-american Conference on WWW/Internet 2006 (CIAWI2006), 06-07 October 2006, Murcia, Spain.
- **Program Committee Member** at 3rd Software Measurement European Forum (SEMF 2006), 10-12 May 2006, Rome, Italy.
- **Program Committee Member** at International Conference on Software Process and Product Measurement (MENSURA 2006), 6-8 November, 2006, Cádiz, Spain.
- **Program Committee Member** at 2nd Workshop on Web Measurement and Metrics (WMM06), July 11, 2006, to be held in conjunction with the 6th International Conference on Web Engineering (ICWE06), Palo Alto, USA.
- **Program Committee Member** at 9th Workshop on Requirements Engineering (WER 2006), 13-14 July 2006, Rio de Janeiro, Brazil.
- **Program Committee Member** at 2nd Portuguese Conference on Human-Computer Interaction (INTERACÇÃO 2006), October 16-18, 2007, Braga, Portugal.
- **Program Committee Member** at 3rd Experimental Software Engineering

Latin American Workshop (ESEIW 2006), co-located with the Experimental Software Engineering International Week (ESEIW 2006), September, 2006, Rio de Janeiro, Brazil.

2005:

- **Program Committee Member** at 3rd IEEE Latin American Web Congress (LA-WEB 2005), October 2005, Buenos Aires, Argentine.
- **Program Committee Member** at IADIS Ibero-american Conference on WWW/Internet 2005 (CIAWI2005), 18-19 October 2005, Lisbon - Portugal.
- **Program Committee Member** at 1st Workshop on Web Measurement and Metrics (WMM05) to be held in Sydney, Australia on July 26, 2005 in conjunction with the 5th International Conference on Web Engineering (ICWE 2005).
- **Program Committee Member** at International COST 294 Workshop on User Interface Quality Models (UIQM 2005) during 10th International IFIP Conference on Human-Computer Interaction (INTERACT 2005), Rome, Italy, September 12-16, 2005.
- **Program Committee Member** at 4th Brazilian Symposium on Software Quality (SBQS 2005), June 2005, Porto Alegre-RS, Brazil.
- **Program Committee Member** at 2nd Software Measurement European Forum (SEMF 2005), 2-4 March 2005, Rome, Italy.
- **Program Committee Member** at 2nd Experimental Software Engineering Latin American Workshop (ESEIW 2005), held jointly with the 19th Brazilian Software Engineering Symposium (SBES 2005), October 2005 – Uberlândia, Minas Gerais, Brazil.

2004:

- **Program Committee Member** at 5th National Congress of Software Metrics and Process (CNPMSI 2004), 17-18 November, 2004, Madrid, Spain.

2003:

- **Program Committee Member** at 1st Latin American Web Congress (La-Web 2003), posters committee member, Santiago, Chile, November 10-12, 2003.

Journal Editorial Board

- Spanish Editor of the ERCIM News (<http://ercim-news.ercim.eu>) magazine of the European Research Consortium for Informatics and Mathematics, from April 2011.
- International Journal of Software Engineering and Its Application, Science & Engineering Research Support Center (SERSC), ISSN: 1738-9984.
- Journal of Software Measurement, Abran A. and Cuadrado-Gallego J. (Eds.), University of Magdeburg, Germany, ISSN: 1862-7420.
- Process and Metrics Magazine, Edited by the Spanish Association of Software Metrics, ISSN: 1886-4554 (print version), ISSN: 1698-2029 (electronic version).

Journal and Book Chapters Reviewer:

- IEEE Internet Computing, IEEE Press, 2011-...
- IEEE Transactions on Software Engineering, IEEE Press, 2009-....
- Information Sciences, Elsevier, 2010-....
- IET Software, 2010-....
- ACM Transactions on the Web, ACM Press, 2009.
- Information and Software Technology Journal, Elsevier, 2008-2010.
- IEEE Software, 2006-2009.
- 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, 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.
- 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.

Participation as Additional Reviewer:

- **Article Reviewer** at 8th Working IEEE/IFIP Conference on Software Architecture (WICSA 2009), Cambridge, UK, 14-17 September 2009.
- **Article Reviewer** at International Conference on Information Systems (ICIS 2008), Paris, France, 14-17 December 2008.
- **Article Reviewer** at 7th International Conference on Quality Software (QSIC 2007), Portland, Oregon, USA, 11-12 October 2007.
- **Article Reviewer** at 4th International Workshop on Software Quality Assurance (SOQUA 2007), Dubrovnik, Croatia, September 3-4, 2007.
- **Article Reviewer** at 6th International Conference on Quality Software (QSIC 2006), Beijing, China, October 26-28, 2006.
- **Article Reviewer** at 18th Int. Conference on Software Engineering and Knowledge Engineering (SEKE 2006), San Francisco, USA, July 5-7, 2006.
- **Article Reviewer** at IEEE International Symposium on Industrial Electronics (ISIE 2006), 9-13 July 2006, ETS-Downtown Montréal, Québec, Canada, Track on System Simulation & Software Development.
- **Article Reviewer** at 24th International Conference on Conceptual Modeling (ER 2005), Klagenfurt, Austria.
- **Article Reviewer** at 17th Conference on Advanced Information Systems Engineering (CAiSE'05), Porto, Portugal, 13-17 June, 2005.
- **Article Reviewer** at 8th *Ibero-american Workshop on Requirements Engineering and Software Environments (WER 2005)*, Valparaíso, Chile, 02-06 May, 2005.
- **Article Reviewer** at 15th *International Conference on Database and Expert Systems Applications (DEXA'04)*, Zaragoza, Spain, 30 August to 03 September.
- **Article Reviewer** at *Brazilian Symposium on Software Quality (SBQS'04)*, Brasília, Brazil, 31 May to 04 July 2004.
- **Article Reviewer** at *International Workshop on Web Information System Modeling (WISM 2004)*, Riga, Latvia, 8 June 2004.
- **Article Reviewer** at Brazilian Symposium on Multimedia and Web Systems (WebMidia), Salvador-BA, Brazil, November 3-6, 2003.
- **Article Reviewer** at 23th *International Conference of the Chilean Computer Science Society (SCCC 2003)*, Chile, 2003.
- **Article Reviewer** at *Brazilian Symposium on Software Quality (SBQS'03)*, Fortaleza, Ceará, Brasil.
- **Article Reviewer** at 4th *International Conference on Database and Expert Systems Applications (DEXA'03)*, Prague, Czech Republic, 01-05 Sept 2003.
- **Article Reviewer** at 2nd *Workshop on Conceptual Modeling Quality (IWCQM'03)*, Chicago, EE.UU, 2003.
- **Article Reviewer** at 2nd *International Conference in Web Engineering (ICWE'02)*, Santa Fe, Argentina, 2002.
- **Article Reviewer** at 5th *Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS'02)*, La Habana, Cuba, 2002.
- **Article Reviewer** at 4th *Ibero-american Workshop on Requirements*

Other Scientific Activities:

- **Member of the Outreach Task Group** at the European Research Consortium for Informatics and Mathematics, 2011-...
- **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). Ongoing 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.
- **Member of the CALIPSO network** (Software Process and Product Quality). A network formed by ten research groups of Spanish universities, five research groups of latino-american universities, and five companies. Main Researcher: Coral Calero, University of Castilla-La-Mancha, Spain.
- **Spanish Representative** in the *International Software Benchmarking & Standards Group 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, California, 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.
- **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.
- **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.
- **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.
- **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.
- **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.
- **Organizing Committee Chair** of the 15th Spanish Conference on Software Engineering and Databases (JISBD 2010), Valencia, Spain, September 2010.

Events Organization

- **Panel Chair** of the 11th International Conference on Product Focused Software Development and Process Improvement (PROFES 2010), Limerick, Ireland, June 21-23, 2010.
- **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 (NordCHI 2010), Reykjavik, Iceland, October 16-20, 2010.
- **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), Viena, Austria, July 5 - 9, 2010.
- **Publicity Co-Chair** of the International Conference on Advanced Software Engineering & Its Applications (ASEA 2010), December 11-13, Bali, Indonesia.
- **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.
- **Publicity Co-Chair** of the International Conference on Advanced Software Engineering & Its Applications (ASEA 2009), Dec 10-12, Jeju Island, Korea.
- **Demo Chair** of the 8th International Conference on Web Engineering (ICWE 2008), Yorktown Heights, New York, July 14-18, 2008.
- **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.
- **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.
- **Publicity Co-Chair** of the International Conference on Advanced Software Engineering & Its Applications (ASEA 2008), December 13-15, Hainan Island, China.
- **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), December 3, Nancy, France.
- **Program Co-chair** of the International Workshop on Usability of User Interfaces: From Monomodal to Multimodal, September 3-4, Lancaster, UK—co-located with the 22nd International Conference on Human-Computer Interaction (HCI 2007), Lancaster UK.
- **Organizing Committee Chair** of the 2nd International Workshop on Software Quality and Estimation (IWSQE'03), Denia, Spain, May 2003.
- **Organizing committee member** of the 1st International Workshop on Software Quality and Estimation (IWSQE'02), Denia, Spain, September 2002.
- **Organizing committee member** of the 5th Ibero-american Workshop on Requirements Engineering and Software Environments (IDEAS'2002), La Habana, Cuba, April 2002.
- **Organizing committee member** of the International Workshop on Conceptual Modeling of User Interfaces (TIMIU'2002), Spain, March 2002.
- **Organizing committee member** of the International Workshop on Web Oriented Software Technology (IWWOST'02), co-located with the ECOOP (ECOOP'02), Málaga, Spain.
- **Organizing committee member** of the International Workshop on Web Oriented Software Technology (IWWOST'01), Valencia, Spain, June 2001.
- **Post-doctoral research stay** at the *Software Engineering Institute (SEI)*, Research, Technology, and System Solutions (RTSS) Program, Carnegie Mellon University, USA, March 2012 to July 2012.

Research Stays

Courses and Seminars Taught

- **Post-doctoral research stay** at the *Software Engineering Institute (SEI)*, Product Line Practice (PLP) Initiative, Carnegie Mellon University, USA, November 2010 to February 2011. Supported by the Ministry of Science and Innovation under the José Castillejo Program.
- **Post-doctoral research stay** at Belgian Laboratory of Computer-Human Interaction (BCHI), *Université catholique de Louvain (UCL)*, Louvain-La-Neuve, Belgium, Dec 2006 to Feb 2007. Hosted by Prof. Jean Vanderdonckt. Supported by Vicerectorate of Research, Development and Innovation of the Universitat Politècnica de València and the MAUSE project (as a short-term scientific mission).
- **Pre/post-doctoral research stays** at Department of Management Information, Operations Management and Technology Policy - *Ghent University*, Ghent, Belgium. Hosted by Prof. Geert Poels, October-November 2003, January and June 2004, September 2006. Supported by Ghent University.
- **Research visit** to Informatics Department at the Catholic University of Rio de Janeiro (PUC-Rio), Brazil (hosted by Prof. Daniel Schwabe), April 2002. Supported by the WEST (Web-Oriented Software Technology) Project.
- **Research visit** to School of Computer Science and Software Engineering at the La Pampa University, Argentine (hosted by Prof. Luis Olsina), March 2002. Supported by the WEST (Web-Oriented Software Technology) Project.
- **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, 2010.
- **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).

On-going PhD Thesis:

- Supervision of the PhD Thesis of Sonia Montagud Gregori. Topic: Quality Assurance for Software Product Lines, Department of Information Systems and Computation, Universitat Politècnica de València, Spain, 2009-2013.
- Co-supervision of the PhD Thesis of Adrián Fernández Martínez. Topic: Integration of Usability in Model-driven Web Development, Department of Information Systems and Computation, Universitat Politècnica de València, Spain, 2008-2012.
- Co-supervision of the PhD Thesis of Javier González Huerta. Topic: Quality-driven Model Transformations, Department of Information Systems and Computation, Universitat Politècnica de València, Spain, 2010-2014.

PhD Thesis Supervised:

- Co-supervision of the PhD Thesis of Nelly Condori, *A Functional Size Measurement Procedure for Requirements Specification* (In Spanish), PhD Program in Software Engineering and Declarative Programming, Department of Information Systems and Computation, Universitat Politècnica de València, Spain, June 2007 (Summa cum laude).

MSc Theses Supervised:

- Supervision of the MSc Thesis of Sonia Montagud Gregori. A SQuaRE-based Method for Evaluating Quality in Software Product Lines, MSc Program in Software Engineering, Formal Methods and Information Systems, Department of Computer Science, Universitat Politècnica de València, 2009.
- Co-supervision of the MSc Thesis of Adrián Fernández Martínez. WUEP: A Usability Evaluation Process for Model-Driven Web Development, MSc Program in Software Engineering, Formal Methods and Information Systems, Department of Computer Science, Universitat Politècnica de València, 2009.
- 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, 2011.
- Co-supervision of the MSc Thesis of Javier González Huerta. Integration of Quality Attributes in Software Product Line Development, MSc Program in Software Engineering, Formal Methods and Information Systems, Department of Computer Science, Universitat Politècnica de València, 2011.

Master Theses Supervised in International Programs:

- 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 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 García, *Implementing a Corporative Database*, Faculty of Informatics, Universitat Politècnica de València, 2005. This project was carried out in the context of the company 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 García, *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.

Awards

- SEXENIO/Six-Year Period of Research: **Two “sexenios” approved by the C.N.E.A.I.:** 1998 to 2004 and 2005 to 2010.
- Research grant to stay at the Carnegie Mellon University (Software Engineering Institute) as Visiting Scientist, 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 ”, Escola Tècnica Superior d'Informàtica Aplicada, Universitat Politècnica de València, 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

- International Society for Web Engineering (ISWE), 2007-present.
- Spanish Association of Software Metrics (Board Member), 2003-2007.
- IEEE Computer Society.