

Publications of Sergio Ochoa by type

Type A

1. Sergio Ochoa, Valeria Herskovic, Edgard Pineda, José A. Pino. A Transformational Model for Organizational Memory Systems Management with Privacy Concerns. *Information Sciences* 179(15):2643-2655, Jul 2009. Elsevier Science, Amsterdam, The Netherlands. ISSN 0020-0255.
2. Sergio Ochoa, José A. Pino, Fabian Poblete. Estimating Software Projects based on Negotiation. *Journal of Universal Computer Science (JUCS)* 15(9):1812-1832, Sep 2009. Graz University of Technology, Graz, Austria. ISSN 0948-695X.
3. Sergio Ochoa, Ricardo Valdivia, Miguel Nussbaum. Modeling a Collaborative Answer Negotiation Activity Using IMS-Based Learning Design. *IEEE Transactions on Education (TED)* 52(3):375-384, Jul 2009. IEEE Education Society, Los Alamitos, CA, USA. ISSN 0018-9359.
4. Luis Guerrero, Hector Horta, Sergio Ochoa. Developing Augmented Objects: A Process Perspective. *Journal of Universal Computer Science (JUCS)* 16(12):1612-1632, Aug 2010. Graz University of Technology, Graz, Austria. ISSN 0948-695X.
5. Álvaro Monares, Sergio Ochoa, José A. Pino, Valeria Herskovic. Mobile Computing in Urban Emergency Situations: Improving the Support to Firefighters in the Field. *Expert Systems with Applications (ESA)* 38(2):1255-1267, Feb 2011. Elsevier Science, Amsterdam, The Netherlands. ISSN 0957-4174.
6. Juan Rodríguez-Covili, Sergio Ochoa, José A. Pino, Valeria Herskovic, Jesús Favela, David Mejía, Alberto Morán. Towards a Reference Architecture for the Design of Mobile Shared Workspaces. *Future Generation Computer Systems (FGCS)* 27(1):109-118, Jan 2011. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-739X.
7. Sergio Ochoa, Gabriel Bravo, José A. Pino, Juan Rodríguez-Covili. Coordinating Loosely-Coupled Work in Construction Inspection Activities. *Group Decision and Negotiation (GDN)* 20(1):39-56, Jan 2011. Springer, Netherlands. ISSN 0926-2644.
8. Rodrigo Vera, Sergio Ochoa, Roberto Aldunate. EDIPS: an Easy to Deploy Indoor Positioning System to Support Loosely Coupled Mobile Work. *Personal and Ubiquitous Computing* 15(4):365-376, Apr 2011. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1617-4909.
9. Valeria Herskovic, Sergio Ochoa, José A. Pino, Andres Neyem. The Iceberg Effect: Behind the User Interface of Mobile Collaborative Systems. *Journal of Universal Computer Science (JUCS)* 17(2):183-202, 2011. Graz University of Technology, Graz, Austria. ISSN 0948-695X.
10. Andrés Neyem, Sergio Ochoa, José A. Pino. A Patterns System to Coordinate Mobile Collaborative Applications. *Group Decision and Negotiation (GDN)* 20(5):563-592, 2011. Springer, Netherlands. ISSN 0926-2644.

11. Juan Rodriguez-Covili, Sergio Ochoa, José A. Pino, Roc Messeguer, Esunly Medina, Dolors Royo. A Communication Infrastructure to Ease the Development of Mobile Collaborative Applications. *Journal of Network and Computer Applications (JNCA)* 34(6):1883-1893, Nov 2011. Elsevier Science, Amsterdam, The Netherlands. ISSN 1084-8045.
12. Juan Rodriguez-Covili, Sergio Ochoa, José A. Pino. High Level MANET Protocol: Enhancing the Communication Support for Mobile Collaborative Work. *Journal of Network and Computer Applications (JNCA)* 35(1):145-155, Jan 2012. Elsevier Science, Amsterdam, The Netherlands. ISSN 1084-8045.
13. Andres Neyem, Sergio Ochoa, José A. Pino, Ruben Dario Franco. A Reusable Structural Design for Mobile Collaborative Applications. *Journal of Systems and Software (JSS)* 85(3):511-524, Mar 2012. Elsevier Science, Amsterdam, The Netherlands. ISSN 0164-1212.
14. Pedro Antunes, Valeria Herskovic, Sergio Ochoa, José A. Pino. Structuring Dimensions for Collaborative Systems Evaluation. *ACM Computing Surveys (CSUR)* 44(2):article 8, Feb 2012. ACM Press, New York, NY, USA. ISSN 0360-0300.
15. Luis A. Guerrero, Francisco Vásquez, Sergio Ochoa. An Indoor Navigation System for the Visually Impaired. *Sensors* 12:8236-8258, 2012. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
16. Roc Messeguer, Esunly Medina, Sergio Ochoa, José A. Pino, Andrés Neyem, Leandro Navarro, Dolors Royo. Communication Support for Mobile Collaborative Work: An Experimental Study. *International Journal of Information Technology & Decision Making (IJITDM)* 11(6):1035-1061, Nov 2012. World Scientific Publishing Co..
17. Davide Vega, Roc Messeguer, Sergio Ochoa, José A. Pino, Felix Freitag, Esunly Medina, Dolors Royo. Sharing Hardware Resources in Heterogeneous Computer-Supported Collaboration Scenarios. *Integrated Computer-Aided Engineering (ICAE)* 20(1):59-77, 2013. IOS Press, Amsterdam, The Netherlands. ISSN 1069-2509. Fondecyt 1120207; LACCIR R1210LAC002.
18. Sergio Ochoa, Jocelyn Simmonds, Julio Ariel Hurtado, Cecilia Bastarrica. MDE Software Process Lines in Small Companies. *Journal of Systems and Software (JSS)* 86(5):1153-1171, May 2013. Elsevier Science, Amsterdam, The Netherlands. ISSN 0164-1212.
19. Juan Rodriguez-Covili, Sergio Ochoa. A Lightweight and Distributed Middleware to Provide Presence Awareness in Mobile Ubiquitous Systems. *Science of Computer Programming (SCICO)* 78(10):2009-2025, Oct 2013. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
20. Pedro Antunes, Valeria Herskovic, Sergio Ochoa, José A. Pino. Reviewing the Quality of Awareness Support in Collaborative Applications. *Journal of Systems and Software (JSS)* 89:146-169, Mar 2014. Elsevier Science, Amsterdam, The Netherlands. ISSN 0164-1212.

21. Christian Berkhoff, Sergio Ochoa, José A. Pino, Jesús Favela, Jonice Oliveira, Luis A. Guerrero. Clairvoyance: A Framework to Integrate Shared Displays and Mobile Computing Devices. *Future Generation Computer Systems (FGCS)* 34:190-200, May 2014. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-739X.
22. Roc Meseguer, Carlos Molina, Sergio Ochoa, Rodrigo Santos. Energy-Aware Topology Control Strategy for Human-Centric Wireless Sensor Networks. *Sensors* 14(2):2619-2643, Feb 2014. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
23. Julio Hurtado, Cecilia Bastarrica, Alcides Quispe, Sergio Ochoa. MDE-Based Process Tailoring Strategy. *Journal of Software: Evolution and Process (JSEP)* 26(4):386-403, Apr 2014. John Wiley & Sons, Hoboken, NJ, USA. ISSN 2047-7481.
24. Álvaro Monares, Sergio Ochoa, Rodrigo Santos, Javier Orozco, Roc Meseguer. Modeling IoT-Based Solutions Using Human-Centric Wireless Sensor Networks. *Sensors* 14:15687-15713, 2014. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
25. Davide Vega, Roc Meseguer, Felix Freitag, Sergio Ochoa. Understanding Collaboration in Volunteer Computing Systems. *Journal of Universal Computer Science (JUCS)* 20(13):1738-1765, 2014. Graz University of Technology, Graz, Austria. ISSN 0948-695X.
26. Sergio Ochoa, Rodrigo Santos. Human-centric Wireless Sensor Networks to Improve Information Availability During Urban Search and Rescue Activities. *Information Fusion (InfFus)* 22:71-84, Jan 2015. Elsevier Science, Amsterdam, The Netherlands. ISSN 1566-2535.
27. Diego Muñoz, Francisco Gutierrez, Sergio Ochoa, Nelson Baloian. Social Connector: A Ubiquitous System to Ease the Social Interaction among Family Community Members. *Computer Systems Science and Engineering (CSSE)* 30(1):57-68, Jan 2015. CRL Publishing, Leicester, UK. ISSN 0267-6192.
28. Diego Leyton, José A. Pino, Sergio Ochoa. EBTAM: Technology Acceptance in e-Business Environments. *Information Systems and e-Business Management* 13(2):211-234, May 2015. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1617-9846.
29. Diego Muñoz, Raymundo Cornejo, Francisco Gutierrez, Jesús Favela, Sergio Ochoa, Mónica Tentori. A Social Cloud-based Tool to Deal with Time and Media Mismatch of Intergenerational Family Communication. *Future Generation Computer Systems (FGCS)* 53:140-151, Dec 2015. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-739X.
30. Daniel Moreno, Sergio Ochoa, Roc Meseguer. A Context-Aware Model to Provide Positioning in Disaster Relief Scenarios. *Sensors* 14:25176-25207, Sep 2015. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
31. Angel Ruiz-Zafra, Manuel Noguera, Kawtar Benghazi, Sergio Ochoa. A Model-Driven Approach for Wearable Systems Developments. *International Journal of Distributed Sensor Networks (IJDSN)* 2015:article 637130, 2015. Hindawi Publishing Corporation, 410 Park Avenue, NY 10022, USA. ISSN 1550-1329.

32. Francisco Gutierrez, Sergio Ochoa, Nelson Baloian, Gustavo Zurita, Luis Loyola. An Architecture to Support the Design and Evaluation of Software Platforms for Partially Virtual Communities. *Computing and Informatics (C&I)* 34(3):521-558, 2015. Slovak Academy of Sciences. ISSN 1335-9150.
33. Pablo Carreño, Sergio Ochoa, Giancarlo Fortino. Supporting Personal Security Using Participatory Sensing. *Concurrency and Computation: Practice and Experience (CPE)* 27(10):2531-2546, Jul 2015. John Wiley & Sons, Hoboken, NJ, USA. ISSN 1532-0626.
34. Francisco Gutierrez, Sergio Ochoa, Gustavo Zurita, Nelson Baloian. Understanding Student Participation in Undergraduate Course Communities: A Case Study. *Information Systems Frontiers (ISF)* 18(1):7-21, Feb 2016. Springer, Netherlands. ISSN 1572-9419.
35. Rodrigo Santos, Javier Orozco, Sergio Ochoa, Roc Meseguer, Gabriel Eggly, Marcelo F. Pistonesi. A MAC Protocol to Support Monitoring of Underwater Spaces. *Sensors* 16:984-1003, Jun 2016. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
36. Esunly Medina, David López, Roc Meseguer, Sergio Ochoa, Dolors Royo, Rodrigo Santos. Mobile Autonomous Sensing Unit (MASU): A Framework That Supports Distributed Pervasive Data Sensing. *Sensors* 16(7):1062-1088, Jul 2016. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
37. Esunly Medina, Roc Meseguer, Sergio Ochoa, Humberto Medina. Providing Behaviour Awareness in Collaborative Project Courses. *Journal of Universal Computer Science (JUCS)* 22(10):1319-1338, Oct 2016. Graz University of Technology, Graz, Austria. ISSN 0948-695X.
38. Sergio Ochoa, Romain Robbes, Maira Marques, Luis Silvestre, Alcides Quispe. What Differentiates Chilean Niche Software Companies: Business Knowledge and Reputation. *IEEE Software* 34(3):96-103, May 2017. IEEE Press, Piscataway, NJ, USA. ISSN 0740-7459.
39. Rodrigo Santos, Javier Orozco, Matías Micheletto, Sergio Ochoa, Roc Meseguer, Pere Millan, Carlos Molina. Real-Time Communication Support For Underwater Acoustic Sensor Networks. *Sensors* 17(7):paper 1629, Jul 2017. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
40. Amado Velazquez, Ana I. Martinez-Garcia, Jesús Favela, Sergio Ochoa. Adaptive Exergames to Support Active Aging: An Action Research Study. *Pervasive and Mobile Computing (PMC)* 34:60-78, Jan 2017. Elsevier Science, Amsterdam, The Netherlands. ISSN 1574-1192.
41. Javier Orozco, Rodrigo Santos, Sergio Ochoa, Roc Meseguer. A Stochastic Approach for Modeling Message Dissemination in Opportunistic Networks. *Wireless Personal Communication (WPC)* 97(2):2207-2228, 2017. Springer, New York, NY, USA. ISSN 0929-6212.
42. Maira Marques, Sergio Ochoa, Cecilia Bastarrica, Francisco Gutierrez. Enhancing the Student Learning Experience in Software Engineering Project Courses. *IEEE Transactions on Education* 61(1):63-73, Feb 2018. IEEE Education Society, Los Alamitos, CA, USA. ISSN 0018-9359.

43. Sergio Ochoa, Francisco Gutierrez. Architecting e-Coaching Systems: Dealing with Their Intrinsic Design Complexity. *IEEE Computer Magazine (IEEE-Comp)* 51(3):16-23, Mar 2018. IEEE Computer Society Press, Los Alamitos, CA, USA. ISSN 0018-9162.
44. Matías Micheletto, Vinicius Petrucci, Rodrigo Santos, Javier Orozco, Daniel Mosse, Sergio Ochoa, Roc Meseguer. Flying Real-Time Network to Coordinate Disaster Relief Activities in Urban Areas. *Sensors* 18(5):article 1662, 2018. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
45. Rodrigo Santos, Javier Orozco, Sergio Ochoa, Roc Meseguer, Daniel Mosse. Providing Real-Time Message Delivery on Opportunistic Networks. *IEEE Access* 6:40696-40712, Jun 2018. IEEE Computer Society Press, Los Alamitos, CA, USA. ISSN 2169-3536.
46. Esperanza Johnson, Ramón Hervás, Carlos Gutiérrez López de la Franca, Tania Mondejar, Sergio Ochoa, Jesús Favela. Assessing Empathy and Managing Emotions Through Interactions with an Affective Avatar. *Health Informatics Journal (HIJ)* 24(2):182-193, 2018. SAGE Publishing, Thousand Oaks, California, USA. ISSN 1460-4582.
47. Francisco Gutierrez, Diego Muñoz, Sergio Ochoa, José Tapia. Assembling Mass-Market Technology for the Sake of Wellbeing: A Case Study on the Adoption of Ambient Intelligent Systems by Older Adults Living at Home. *Journal of Ambient Intelligence and Humanized Computing (JAIHC)* 10(6):2213-2233, Jun 2019. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1868-5137.
48. Valeria Herskovic, Sergio Ochoa, José A. Pino. Identifying Groupware Requirements in People-Driven Mobile Collaborative Processes. *Journal of Universal Computer Science (JUCS)* 25(8):988-1017, 2019. Graz University of Technology, Graz, Austria. ISSN 0948-695X.
49. Mariano Finochietto, Gabriel Eggly, Rodrigo Santos, Javier Orozco, Sergio Ochoa, Roc Meseguer. A Role-based Software Architecture to Support Mobile Service Computing in IoT Scenarios. *Sensors* 19(21):1-27, Nov 2019. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
50. Pere Millan, Carles Aliaga, Carlos Molina, Roc Meseguer, Sergio Ochoa, Rodrigo Santos. Predicting Topology Propagation Messages in Mobile Ad Hoc Networks: The Value of History. *Sensors* 20(1):1-24, Dec 2019. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
51. Francisco Gutierrez, Sergio Ochoa. Making Visible the Invisible: Understanding the Nuances of Computer-Supported Cooperative Work on Informal Elderly Caregiving in Southern Cone Families. *Personal and Ubiquitous Computing* 25:437-456, 2021. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1617-4909.
52. Roger Pueyo, Roc Meseguer, Felix Freitag, Leandro Navarro, Sergio Ochoa, Rodrigo Santos. LoRaMoto: A Communication System to Provide Safety Awareness among Civilians after an Earthquake. *Future Generation Computer Systems (FGCS)* 115:150-170, Feb 2021. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-739X.

53. Maximiliano Canche, Sergio Ochoa, Daniel Perovich, Francisco Gutierrez. Analysis of Notations for Modeling User Interaction Scenarios in Ubiquitous Collaborative Systems. *Journal of Ambient Intelligence and Humanized Computing (JAIHC)* 13(12):5321-5333, 2022. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1868-5137.
54. Felipe Rodriguez, Sergio Ochoa, Francisco Gutierrez. Supporting Asymmetric Interaction in the Age of Social Media. *Journal of Ambient Intelligence and Humanized Computing (JAIHC)* 13(11):5391-5404, 2022. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1868-5137.
55. Mariano Finochietto, Matías Micheletto, Gabriel Eggly, Roger Pueyo, Rodrigo Santos, Sergio Ochoa, Roc Meseguer, Javier Orozco. An IoT-based Infrastructure to Enhance Self-Evacuations in Natural Hazardous Events. *Personal and Ubiquitous Computing* 26:1461-1478, 2022. Springer, New York, NY, USA. ISSN 1617-4909.
56. Mariano Finochietto, Rodrigo Santos, Sergio Ochoa, Roc Meseguer. Reducing Operational Expenses of LoRaWAN-Based Internet of Remote Things Applications. *Sensors* 22(20):1-19, Oct 2022. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
57. Mariano Finochietto, Paula Zabala, Sergio Ochoa, Roc Meseguer, Rodrigo Santos. Determining Real-Time Communication Feasibility in IoT Systems Supported by LoRaWAN. *Sensors* 23(9):article 4281, Apr 2023. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
58. Manuel Ibarra, Jaime Guevara Rios, Dennis Vargas Ovalle, Mario Aquino-Cruz, Hugo Calderon-Vilca, Sergio Ochoa. An IoT solution to detect overheated idler rollers in belt conveyors. *International Journal of Advanced Computer Science and Applications (IJACSA)* 15(6):397-304, Jun 2024. The Science and Information (SAI) Organization, Summit House, Woodland Park, UK. ISSN 2158-107X.
59. Manuel Ibarra, Irwin Estrada Torres, Mario Aquino-Cruz, Ronald Rentería, Sergio Ochoa, Juan Manuel Ochoa. Tomato Urban Gardening Supported by an IoT-Based System: A Latin American Experience Report on Technology Adoption. *Sensors* 24(23):article 7620, Nov 2024. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 1424-8220.
60. Anelis Pereira-Vale, Tomás Vera, Carlos Vásquez, Daniel Perovich, Jocelyn Simmonds, Sergio Ochoa. Understanding the Product Knowledge Acquisition Process in Multiprovider Software Evolution Scenarios: An Exploratory Study. *Information and Software Technology (IST)* 183(107738):23, Mar 2025. Elsevier Science, Amsterdam, The Netherlands. ISSN 0950-5849.

Type B

1. Rodrigo Santos, Javier Orozco, Sergio Ochoa. A Real-Time Analysis Approach in Opportunistic Networks. *ACM SIGBED Review (SIGBED)* 8(3):40-43, Sep 2011. ACM Press, New York, NY, USA. ISSN 1551-3688.

2. Ignacio Casas, Sergio Ochoa, José A. Pino, Jaime Puente. Collaborative ICT Research for Development in Latin America and the Caribbean. *International Journal for e-Learning Security (IJeLS)* 2(1/2):162-172, Mar 2012. Infonomics Society.
3. Manuel Ibarra, Álvaro Monares, Sergio Ochoa, José A. Pino. A Strategy for Selecting Points of Interest on Mobile Devices for Emergency Situations. *CLEI Electronic Journal* 16(3):article 5, Dec 2013. ISSN 0717- 5000.
4. Luis Silvestre, Cecilia Bastarrica, Sergio Ochoa. Reducing Complexity of Process Tailoring Transformations Generation. *Communications in Computer and Information Science* 506:171-182, Dec 2015. Springer Science+Business Media, Singapore, Singapore. ISSN 1865-0929.
5. Mireia Roura, Leandro Navarro, Roc Meseguer, Sergio Ochoa. Reuse of ICT Devices as Commons: A Property Rights and Governance Model for Collective Access. *ACM Journal on Computing and Sustainable Societies (ACM-JCSS)* 3(4):1-23, Nov 2025. ACM Press, New York, NY, USA. ISSN 2834-5533.

Type E1

1. Álvaro Monares, Sergio Ochoa, José A. Pino, Tomás Ruiz-López, Manuel Noguera. Using Unconventional Awareness in Emergency Responses. *IEEE Latin America* 12(1):62-68, Jan 2014. IEEE Press, Piscataway, NJ, USA.

Type E2

1. María Lund, Sergio Zapata, Laura Aballay, Myriam Herrera, Estela Torres, César Collazos, Faber Giraldo, Sergio Ochoa. Evaluación de un Proceso Instruccional Colaborativo de Ingeniería de Software para Ambientes de Aprendizaje Distribuidos. *Revista Avances en Sistemas e Informática* 6(2):149-159, Sep 2009. Universidad Nacional de Colombia Sede-Medellín, Medellín, Colombia. ISSN 1657-7663.

Type H

1. Valeria Herskovic, Sergio Ochoa, José A. Pino, Pedro Antunes. The Evaluation of Mobile Collaborative Systems. In *Interface and Interaction Design for Learning and Simulation Environments*, pp. 237-265, 2009. Logos Verlag, Berlin, Germany. ISBN 978-3-8325-2361-9.
2. Marcos Borges, Sergio Ochoa, José A. Pino, Adriana Vivacqua. Assigning Emergency Vehicles to Urban Incidents. In *Bridging the Socio-technical Gap in Decision Support Systems - Challenges for the Next Decade*, pp. 498-509, 2010. IOS Press, Amsterdam, The Netherlands. ISBN 978-1-60750-576-1. Frontiers in Artificial Intelligence and Applications vol. 212.
3. Daniel Moreno, Sergio Ochoa, Nelson Baloian. A Survey on Resource Positioning Strategies. In *Collaborative Technologies and Data Science in Smart City Applications*, pp. 42-52, Sep 2018. Logos Verlag, Berlin, Germany. ISBN 978-3-8325-4734-9.

4. Francisco Gutierrez, Sergio Ochoa, Raymundo Cornejo, Julita Vassileva. Designing Computer-Supported Technology to Mediate Intergenerational Social Interaction: A Cultural Perspective. In *Perspectives on Human-Computer Interaction Research with Older People*, pp. 199-214, Feb 2019. Springer Nature Switzerland AG, Cham, Switzerland. Human-Computer Interaction Series (HCIS).
5. Maximiliano Canche, Sergio Ochoa, Daniel Perovich, Rodrigo Santos. Modeling Interactions Happening in People-Driven Collaborative Processes. In *Handbook of Human-Machine Systems*, pp. 95-103, Jul 2023. John Wiley & Sons, Hoboken, NJ, USA.
6. Rodrigo Santos, Juan Manuel Ochoa, Sergio Ochoa, Carlos Chesñevar. Smart Cities with Digital Twin Systems for Disaster Management. In *Digital Twin and Blockchain for Sensor Networks in Smart Cities*, pp. 481-496, Mar 2025. Elsevier Science, Amsterdam, The Netherlands.

Type I

1. Marcos R.S. Borges, Weiming Shen, José A. Pino, Sergio Ochoa, ed. CSCWD: Applications and Challenges. *Journal of Universal Computer Science (JUCS)* 17(2):162-163, Feb 2011. Graz University of Technology, Graz, Austria. ISSN 0948-695X.
2. Diego Lopez-de-Ipiña, Sergio Ochoa, José Bravo, ed. Preface to the special section on Software Engineering Aspects of Ubiquitous Computing and Ambient Intelligence (UCAmI 2011). *Science of Computer Programming (SCICO)* 78(10):1892-1894, 2013. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.

Type K

1. Marcos R. S. Borges, Weiming Shen, José A. Pino, Jean-Paul Barthes, Junzhou Luo, Sergio Ochoa, Jianming Yong, ed. *Proceedings of the 13th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, Apr 2009. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-3535-7.
2. Sergio Ochoa, Federico Meza, Domingo Mery, Claudio Cubillos, ed. *Proceedings of the 29th Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, Nov 2010. Antofagasta, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA.
3. Sergio Ochoa, José Bravo, Jonice Oliveira, Gabriel Urzaiz, Liming Luke Chen, ed. *Proceedings of the 7th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, 2013. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
4. Giancarlo Fortino, Giuseppe Di Fatta, Wenfeng Li, Sergio Ochoa, Alfredo Cuzzocrea, Mukaddim Pathan, ed. *Proceedings of the 7th International Conference on Internet and Distributed Computing Systems (IDCS)*, Sep 2014. Calabria, Italy. Springer-Verlag, Berlin/Heidelberg, Germany. ISBN 978-3-319-11691-4. Lecture Notes in Computer Science vol. 8729.

5. Juan Manuel García-Chamizo, Giancarlo Fortino, Sergio Ochoa, ed. *Proceedings of the 9th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, 2015. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
6. Giancarlo Fortino, Weiming Shen, Jean-Paul Barthes, Junzhou Luo, Wenfeng Li, Sergio Ochoa, Milton Pires Ramos, ed. *Proceedings of the 19th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, May 2015. Calabria, Italy. IEEE Computer Society Press, Los Alamitos, CA, USA.
7. Carl Gutwin, Sergio Ochoa, Julita Vassileva, Tomoo Inoue, ed. *Proceedings of the 23rd Collaboration Researchers' International Workshop on Groupware (CRIWG)*, Aug 2017. Saskatoon, Canada. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 10391.
8. Sergio Ochoa, Pritpal Singh, José Bravo, ed. *Proceedings of the 11th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, Nov 2017. Villanova, Pennsylvania, USA. Springer-Verlag, Berlin/Heidelberg, Germany. ISBN 978-3-319-67584-8. Lecture Notes in Computer Science vol. LNCS 10586.
9. José Bravo, Jesús Favela, Sergio Ochoa, ed. *Proceedings of the 14th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, Nov 2022. Cordoba, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.

Type L0

1. Francisco Gutierrez, Sergio Ochoa. Mom, I Do Have a Family!: Attitudes, Agreements, and Expectations on the Interaction with Chilean Older Adults. In *Proc. 19th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*, pp. 1400-1409, Feb 2016. San Francisco, CA, USA. ACM Press, New York, NY, USA.
2. Francisco Gutierrez, Sergio Ochoa. It Takes at Least Two to Tango: Understanding the Cooperative Nature of Elderly Caregiving in Latin America. In *Proc. 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)*, pp. 1618-1630, Feb 2017. Portland, Oregon, USA. ACM Press, New York, NY, USA.

Type L1

1. Julio Ariel Hurtado, Cecilia Bastarrica, Alcides Quispe, Sergio Ochoa. An MDE Approach to Software Process Tailoring. In David Raffo, Dietmar Pfahl, Li Zhang (ed.), *Proc. 5th International Conference on Software and System Process (ICSSP)*, pp. 43-52, May 2011. Honolulu, Hawaii, USA. ACM Press, New York, NY, USA.
2. Rodrigo Santos, Sergio Ochoa. Disseminating Shared Information in Disaster Relief Efforts: A Communication Computable Model. In *Proc. IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, pp. 3446-3451, Oct 2011. Anchorage, Alaska, USA.

3. Valeria Herskovic, Andrés Neyem, Sergio Ochoa, José A. Pino, Pedro Antunes. Understanding Presence Awareness Information Needs among Engineering Students. In *Proc. 16th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 258-264, May 2012. Wuhan, China. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4673-1210-3.
4. Álvaro Monares, Sergio Ochoa, José A. Pino, Valeria Herskovic. Improving the Initial Response Process in Urban Emergencies. In *Proc. 16th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 379-386, May 2012. Wuhan, China. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4673-1210-3.
5. Manuel Ibarra, Álvaro Monares, Sergio Ochoa, José A. Pino, David Suarez. A Mobile Collaborative Application to Reduce the Radio Traffic in Urban Emergencies. In *Proc. 16th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 358-365, May 2012. Wuhan, China. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4673-1210-3.
6. Francisco Gutierrez, Nelson Baloian, Sergio Ochoa, Gustavo Zurita. A Conceptual Model to Design Partially Virtual Communities. In *Proc. 16th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 685-692, May 2012. Wuhan, China. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4673-1210-3.
7. Sergio Ochoa, José A. Pino, Nelson Baloian, Pedro Antunes, Valeria Herskovic. Some Observations from the Analysis of an Online Discussion Board. In *Proc. IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, pp. 1280-1285, Oct 2012. Seoul, Korea.
8. Roc Meseguer, Carlos Molina, Sergio Ochoa, Rodrigo Santos. Reducing Energy Consumption in Human-centric Wireless Sensor Networks. In *Proc. IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, pp. 1473-1478, Oct 2012. Seoul, Korea.
9. Pedro Antunes, Valeria Herskovic, Sergio Ochoa, José A. Pino. Modeling Highly Collaborative Processes. In *Proc. 17th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 184-189, Jun 2013. Whistler, BC, Canada. IEEE Computer Society Press, Los Alamitos, CA, USA. Best Paper Award.
10. David Suarez, Álvaro Monares, Sergio Ochoa, José A. Pino, Manuel Ibarra. Improving the Support to Decision Making in Medium-sized Urban Emergencies. In *Proc. 17th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 251-256, Jun 2013. Whistler, BC, Canada. IEEE Computer Society Press, Los Alamitos, CA, USA.
11. Davide Vega, Roc Meseguer, Felix Freitag, Sergio Ochoa. Effort-Based Incentives for Resource Sharing in Collaborative Volunteer Applications. In *Proc. 17th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 37-42, Jun 2013. Whistler, BC, Canada. IEEE Computer Society Press, Los Alamitos, CA, USA.

12. Daniel Moreno, Sergio Ochoa, Rodrigo Santos, Roc Meseguer. Geo-Localized Messages Irradiation using Smartphones: An Energy Consumption Analysis. In *Proc. 17th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 681-685, Jun 2013. Whistler, BC, Canada. IEEE Computer Society Press, Los Alamitos, CA, USA.
13. Amado Velazquez, Ana I. Martinez-Garcia, Jesús Favela, Alejandro Hernández, Sergio Ochoa. Design of Exergames with the Collaborative Participation of Older Adults. In *Proc. 17th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 521-526, Jun 2013. Whistler, BC, Canada. IEEE Computer Society Press, Los Alamitos, CA, USA.
14. Diego Leyton, José A. Pino, Sergio Ochoa. Modeling Technology Acceptance in e-Business Environments. In *Proc. 10th IEEE International Conference on e-Business Engineering (ICEBE)*, pp. 90-97, Sep 2013. Coventry, UK. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-0-7695-5111-1.
15. Álvaro Monares, Sergio Ochoa, Valeria Herskovic, Rodrigo Santos, José A. Pino. Modeling Interactions in Human-centric Wireless Sensor Networks. In *Proc. 18th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 661-666, May 2014. Hsinchu, Taiwan. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4799-3775-2.
16. Daniel Moreno, Sergio Ochoa, Roc Meseguer. Understanding Confidence of Positioning Measurements in Collaborative Outdoor Environments. In *Proc. IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, pp. 1141-1146, Oct 2014. San Diego, USA.
17. Maira Marques, Sergio Ochoa. Improving Teamwork in Students Software Projects. In *Proc. 27th IEEE Conference on Software Engineering Education and Training (CSEE&T)*, pp. 99-108, Apr 2014. Klagenfurt, Austria. IEEE Education Society, Los Alamitos, CA, USA.
18. Daniel Moreno, Sergio Ochoa, Roc Meseguer. Providing Ubiquitous Positioning in Outdoor Environments. In *Proc. IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, pp. 1285-1290, Oct 2015. Hong Kong, China.
19. Angel Ruiz-Zafra, Manuel Noguera, Kawtar Benghazi, Sergio Ochoa. A Cloud Collaborative Approach for Managing Patients Wellness. In *Proc. 19th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 637-642, May 2015. Calabria, Italy. IEEE Computer Society Press, Los Alamitos, CA, USA.
20. Davide Vega, Roc Meseguer, Felix Freitag, Sergio Ochoa. Motivating the Non-technical Participation in Technical Communities. In *Proc. 19th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 259-264, May 2015. Calabria, Italy. IEEE Computer Society Press, Los Alamitos, CA, USA.

21. Esunly Medina, David Andres Lopez Nuevo, Dolors Royo, Roc Meseguer, Sergio Ochoa. CoSP: A Collaborative Sensing Platform for mobile applications. In *Proc. 19th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 377-382, May 2015. Calabria, Italy. IEEE Computer Society Press, Los Alamitos, CA, USA.
22. Maira Marques, Sergio Ochoa, Cecilia Bastarrica. Software Engineering Education in Chile - Status Report. In Alison Clear, Ernesto Cuadros-Vargas, Janet Carter, Yvan Tupac (ed.), *Proc. 21st ACM Conference on Innovation and Technology in Computer Science Education (ITICSE)*, pp. 180-185, Jul 2016. Arequipa, Perú. ACM Press, New York, NY, USA. ISBN 978-1-4503-4231-5.
23. Daniel Moreno, Sergio Ochoa. Understanding the Resource Positioning Methods that Support Mobile Collaboration. In *Proc. IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, pp. 3676-3682, Oct 2016. Budapest, Hungary.
24. Esunly Medina, Davide Vega, Roc Meseguer, Humberto Medina, Sergio Ochoa, Matteo Magnani. Using Indirect Blockmodeling for Monitoring Students Roles in Collaborative Learning Networks. In *Proc. 20th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 164-169, May 2016. Nanchang, China. IEEE Computer Society Press, Los Alamitos, CA, USA.
25. Orlando Erazo, Nelson Baloian, José A. Pino, Sergio Ochoa. Designing Hand Gesture Interfaces for Easing Students Participation from their Spot. In *Proc. 21th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 133-138, Apr 2017. Wellington, New Zealand. IEEE Computer Society Press, Los Alamitos, CA, USA.
26. Emmanouil Dimogerontakis, Roc Meseguer, Leandro Navarro, Sergio Ochoa, Luis Veiga. Community Sharing of Spare Network Capacity. In *Proc. 14th IEEE International Conference on Networking, Sensing and Control (ICNSC)*, pp. 299-304, May 2017. Calabria, Italy. IEEE Computer Society Press, Los Alamitos, CA, USA.
27. Emmanouil Dimogerontakis, Roc Meseguer, Leandro Navarro, Sergio Ochoa, Luis Veiga. Design Trade-offs of Crowdsourced Web Access in Community Networks. In *Proc. 21th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 24-29, Apr 2017. Wellington, New Zealand. IEEE Computer Society Press, Los Alamitos, CA, USA.
28. Maximiliano Canche, Sergio Ochoa. A Survey of Development Strategies for Collaborative Systems. In *Proc. 23rd IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 261-266, May 2019. Porto, Portugal. IEEE Computer Society Press, Los Alamitos, CA, USA.
29. Tomás Vera, Sergio Ochoa, Daniel Perovich. Requirements engineering in the pre-contract stage: exploring the processes and practices used in small and medium-sized software enterprises. In *Proc. 36th ACM Symposium on Applied Computing (SAC)*, pp. 1346-1353, Mar 2021. Gwangju, Korea. ACM Press, New York, NY, USA.

30. Tomás Vera, Daniel Perovich, Sergio Ochoa. An Instrument to Define the Product Scope at Preselling Time. In *Proc. 24th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 604-608, May 2021. Dalian, China. IEEE Computer Society Press, Los Alamitos, CA, USA.
31. Maira Marques, Roc Meseguer, Sergio Ochoa, Luis Silvestre. Coordination and Awareness Mechanisms to Support Collaboration in Project-based Software Engineering Courses. In *Proc. 26th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 721-726, May 2023. Rio de Janeiro, Brazil. IEEE Computer Society Press, Los Alamitos, CA, USA.
32. Gabriel Eggly, Sergio Ochoa, Rodrigo Santos. Structuring Digital Twins for Disasters Management Based on a Blackboard. In *Proc. 28th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 1728-1733, May 2025. Compiegne, France. IEEE Computer Society Press, Los Alamitos, CA, USA.

Type L2

1. Álvaro Monares, Sergio Ochoa, José A. Pino, Valeria Herskovic, Andrés Neyem. MobileMap: A Collaborative Application to Support Emergency Situations in Urban Areas. In Marcos R.S. Borges, Weiming Shen, José A. Pino, Jean-Paul Barthes, Junzhou Luo, Sergio Ochoa, Jianming Yang (ed.), *Proc. 13th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 432-437, Apr 2009. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-3535-7.
2. Juan Rodríguez-Covili, Sergio Ochoa, José A. Pino, Jesus Favela, David Mejía, Alberto Morán. Designing Mobile Shared Workspaces by Instantiation. In Marcos R.S. Borges, Weiming Shen, José A. Pino, Jean-Paul Barthes, Junzhou Luo, Sergio Ochoa, Jianming Yang (ed.), *Proc. 13th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 402-407, Apr 2009. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-3535-7.
3. Valeria Herskovic, Sergio Ochoa, José A. Pino. Modeling Groupware for Mobile Collaborative Work. In Marcos R.S. Borges, Weiming Shen, José A. Pino, Jean-Paul Barthes, Junzhou Luo, Sergio Ochoa, Jianming Yang (ed.), *Proc. 13th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 384-389, Apr 2009. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-3535-7.
4. Emilio Ormeño, Sergio Ochoa, Francisco Ibañez, M. Inés Lund, Susana Ruíz, Laura Abal-lay, Víctor Rosales. A CMT-based Modeling Language for Courseware Design. In Marcos R.S. Borges, Weiming Shen, José A. Pino, Jean-Paul Barthes, Junzhou Luo, Sergio Ochoa, Jianming Yang (ed.), *Proc. 13th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 552-557, Apr 2009. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-3535-7.

5. Sergio Ochoa, Rosa Alarcón, Luis Guerrero. Understanding the Relationship between Requirements and Context Elements in Mobile Collaboration. In Julie A. Jacko (ed.), *Proc. 13th Human-Computer Interaction International (HCII)*, pp. 67-76 (Part III, vol. 5612), Jul 2009. San Diego, CA, USA. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
6. Roc Messeguer, Sergio Ochoa, José A. Pino, Esunly Medina, Leandro Navarro, Dolors Royo, Andrés Neyem. Building Real-World Ad-hoc Networks to Support Mobile Collaborative Applications: Lessons Learned. In Luis Carriço, Nelson Baloian, Benjamin Fonseca (ed.), *Proc. 15th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 1-16, Sep 2009. Peso da Regua, Portugal. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 5784. ISBN 978-3-642-04215-7.
7. Valeria Herskovic, David Mejía, Jesús Favela, Alberto Morán, Sergio Ochoa, José A. Pino. Increasing Opportunities for Interaction in Time-Critical Mobile Collaborative Settings. In Luis Carriço, Nelson Baloian, Benjamin Fonseca (ed.), *Proc. 15th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 41-48, Sep 2009. Peso da Regua, Portugal. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 5784. ISBN 978-3-642-04215-7.
8. Andrés Neyem, Sergio Ochoa, José A. Pino. Communication Patterns to Support Mobile Collaboration. In Luis Carriço, Nelson Baloian, Benjamin Fonseca (ed.), *Proc. 15th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 270-277, Sep 2009. Peso da Regua, Portugal. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 5784. ISBN 978-3-642-04215-7.
9. David Mejía, Alberto Morán, Jesús Favela, Sergio Ochoa, José A. Pino. Evaluating Design Concepts to Support Informal Communication in Hospitals through the Development of a Tool Based on an Iterative Evaluation. In Masaaki Kurosu (ed.), *Proc. 1st International Conference on Human Centered Design (HCD)*, pp. 1013-1022, Jul 2009. San Diego, CA, USA. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 5619.
10. Andrés Neyem, Sergio Ochoa, José A. Pino, Darío Franco. An Architectural Pattern for Mobile Groupware Platforms. In R. Meersman, P. Herrero, and T. Dillon (ed.), *Proc. 8th On the Move Federated Conferences and Workshops - International Workshop on System/Software Architectures (OTM Workshops - IWSSA)*, pp. 401-410, Nov 2009. Vilamoura, Portugal. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 5872. ISBN 978-3-642-05289-7.
11. Sergio Ochoa, Alcides Quispe, Andrés Vergara, José A. Pino. Improving Requirements Engineering Processes in Very Small Software Enterprises Through the Use of a Collaborative Application. In Weiming Shen, Ning Gu, Tun Lu, Jean-Paul Barthès, Junzhou Luo (ed.), *Proc. 14th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 116-121, Apr 2010. Shanghai, China. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-6763-1.

12. Juan Rodríguez-Covili, Sergio Ochoa, José A. Pino. Enhancing Mobile Collaboration with HLMP. In Weiming Shen, Ning Gu, Tun Lu, Jean-Paul Barthès, Junzhou Luo (ed.), *Proc. 14th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 467-472, Apr 2010. Shangai, China. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-6763-1.
13. Juan Rodríguez-Covili, Sergio Ochoa, José A. Pino, Roc Messeguer, Esunly Medina, Dolors Royo. HLMP API: A Software Library to Support the Development of Mobile Collaborative Applications. In Weiming Shen, Ning Gu, Tun Lu, Jean-Paul Barthès, Junzhou Luo (ed.), *Proc. 14th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 479-484, Apr 2010. Shangai, China. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-6763-1.
14. Maira Marques, Sergio Ochoa, Alcides Quispe, Luis Silvestre, Agustín Villena. Coordination and Pressing: A Formula for Teamwork - A Case Study. In Weiming Shen, Ning Gu, Tun Lu, Jean-Paul Barthès, Junzhou Luo (ed.), *Proc. 14th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 83-88, Apr 2010. Shangai, China. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4244-6763-1.
15. Pedro Antunes, Claudio Sapateiro, José A. Pino, Valeria Herskovic, Sergio Ochoa. Awareness Checklist: Reviewing the Quality of Awareness Support in Collaborative Applications. In Gwendolyn Kolfschoten, Thomas Herrmann, Stephan Lukosch (ed.), *Proc. 16th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 202-217, Sep 2010. Maastricht, The Netherlands. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 6257. ISBN 978-3-642-15713-4.
16. Rodrigo Bartels, Valeria Herskovic, Alvaro Monares, Sergio Ochoa, José A. Pino, Marcos Borges. A Simple and Portable Command Post to Coordinate Search and Rescue Activities in Disaster Relief Efforts. In Gwendolyn Kolfschoten, Thomas Herrmann, Stephan Lukosch (ed.), *Proc. 16th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 337-344, Sep 2010. Maastricht, The Netherlands. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 6257. ISBN 978-3-642-15713-4.
17. Alberto Moran, Juan Rodriguez-Covili, David Mejia, Jesus Favela, Sergio Ochoa. Supporting Informal Interaction in a Hospital through Impromptu Social Networking. In Gwendolyn Kolfschoten, Thomas Herrmann, Stephan Lukosch (ed.), *Proc. 16th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 305-320, Sep 2010. Maastricht, The Netherlands. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 6257. ISBN 978-3-642-15713-4.
18. Ivan Claros, Cesar Collazos, Luis Guerrero, Sergio Ochoa. Digital Workbook: A Mobile Learning Environment to Support Collaborative Examinations. In Gwendolyn Kolfschoten, Thomas Herrmann, Stephan Lukosch (ed.), *Proc. 16th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 345-352, Sep 2010. Maastricht, The Netherlands.

lands. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 6257. ISBN 978-3-642-15713-4.

19. Fáber Giraldo, César Collazos, Sergio Ochoa, Sergio Zapata, Gisela Torres de Clunie. Supporting Informal Interaction in a Hospital through Impromptu Social Networking. In *Proc. 21st Workshops of the International Conference on Database and Expert Systems Applications (DEXA Workshops)*, pp. 97-101, Aug 2010. Bilbao, Spain.
20. Andre Engelbrecht, Adriana S. Vivacqua, Marcos R.S. Borges, Alvaro Monares, Sergio Ochoa, José A. Pino. A Decision Support System for Medium-Sized Emergencies. In Sergio Ochoa, Federico Meza, Domingo Mery, Claudio Cubillos (ed.), *Proc. 29 Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, pp. 314-320, Nov 2010. Antofagasta, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA.
21. Alcides Quispe, Maira Marques, Luis Silvestre, Sergio Ochoa, Romain Robbes. Requirements Engineering Practices in Very Small Software Enterprises: A Diagnostic Study. In Sergio Ochoa, Federico Meza, Domingo Mery, Claudio Cubillos (ed.), *Proc. 29 Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, pp. 81-87, Nov 2010. Antofagasta, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA.
22. Davide Vega, Esunly Medina, Roc Messeguer, Dolors Royo, Felix Freitag, Sergio Ochoa, José A. Pino. Characterizing the Effects of Sharing Hardware Resources in Mobile Collaboration Scenarios. In W. Shen, J-P. Barthes, J. Luo, P. Kropf, M. Puly. J. Yang, Y. Xue, M. Ramos (ed.), *Proc. 15th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 465-472, Jun 2011. Lausanne, Switzerland. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4577-0385-0.
23. Alvaro Monares, Valeria Herskovic, David Suarez, Manuel Ibarra, Sergio Ochoa, José A. Pino. Increasing Shared Information Availability During Urban Emergency Responses. In W. Shen, J-P. Barthes, J. Luo, P. Kropf, M. Puly. J. Yang, Y. Xue, M. Ramos (ed.), *Proc. 15th IEEE International Conference on Computer Supported Collaborative Work in Design (CSCWD)*, pp. 677-684, Jun 2011. Lausanne, Switzerland. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4577-0385-0.
24. Fáber Giraldo, Sergio Ochoa, Laura Aballay, Clifton Clunie, Andrés Neyem, Raquel Anaya. Supporting Instructional Software Engineering Activities Using CODILA: Some Latin American Experiences. In *Proc. International Conference on Education and Educational Technology (EET)*, pp. 591-598, Oct 2011. Chengdu, China. Springer-Verlag, Berlin/Heidelberg, Germany. Advances in Intelligent and Soft Computing vol. 108. ISBN 978-3-642-24774-3.
25. Francisco Gutierrez, Nelson Baloian, Sergio Ochoa, Gustavo Zurita. Designing the Software Support for Partially Virtual Communities. In Valeria Herskovic, H. Ulrich Hoppe, Marc Jansen, Jurgen Ziegler (ed.), *Proc. 18th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 73-88, Sep 2012. Raesfeld, Germany. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 7493. ISBN 978-3-642-33283-8.

26. Christian Berkhoff, Sergio Ochoa, José A. Pino, Jesús Favela, Jonice Oliveira, Luis Guerrero. Implementing Shared Displays: A Tool for Smooth Integration of Large-Screen TVs and Mobile Devices. In J. Bravo, R. Hervás, M. Rodríguez (ed.), *Proc. 4th International Workshop on Ambient Assisted Living (IWAAL)*, pp. 278-286, Dec 2012. Vitoria-Gasteis, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 7657.
27. Diego da S. Souza, Pedro C. da Silveira, Patricia Z. de Lima, Jonice Oliveira, Sergio Ochoa, José A. Pino, Jano M. de Souza. An Integrated Environment to Aid Knowledge Exchange and Collaboration Using Mobile Devices in a Healthcare Context. In J. Bravo, D. López-de-Ipiña, F. Moya (ed.), *Proc. 6th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 430-437, Dec 2012. Vitoria-Gasteis, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 7656.
28. Ramon Cruzat, Sergio Ochoa, Luis Guerrero. An Ubiquitous Game for Providing Emotional Support to Hospitalized Children. In J. Bravo, R. Hervás, M. Rodríguez (ed.), *Proc. 4th International Workshop on Ambient Assisted Living (IWAAL)*, pp. 171-174, Dec 2012. Vitoria-Gasteis, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 7657. Work-in-Progress.
29. Camilo Vergara, Sergio Ochoa, Francisco Gutierrez, Juan Rodriguez-Covili. Extending Social Networking Services toward a Physical Interaction Scenario. In J. Bravo, D. López-de-Ipiña, F. Moya (ed.), *Proc. 6th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 208-215, Dec 2012. Vitoria-Gasteis, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 7656.
30. Francisco Gutierrez, Gustavo Zurita, Sergio Ochoa, Nelson Baloian. Analyzing Two Participation Strategies in an Undergraduate Course Community. In *Proc. 19th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 143-158, 2013. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
31. Valeria Herskovic, Sergio Ochoa, José A. Pino, Pedro Antunes, Emilio Ormeño. Identifying the Awareness Mechanisms for Mobile Collaborative Applications. In *Proc. 19th Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 241-256, 2013. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
32. Pablo Carreño, Francisco Gutierrez, Sergio Ochoa, Giancarlo Fortino. Using Human-centric Wireless Sensor Networks to Support Personal Security. In *Proc. 6th International Conference on Internet and Distributed Computing Systems (IDCS)*, pp. 51-64, 2013. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
33. Diego Muñoz, Francisco Gutierrez, Sergio Ochoa, Nelson Baloian. Enhancing Social Interaction between Older Adults and Their Families. In *Proc. 5th International Workshop on Ambient Assisted Living (IWAAL)*, pp. 47-54, 2013. Carrillo, Costa Rica. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.

34. Álvaro Monares, Sergio Ochoa, José A. Pino, Tomás Ruiz-López, Manuel Noguera. Using Unconventional Awareness Mechanisms to Support Mobile Work. In *Proc. 1st Chilean Conference on Human-Computer Interaction (ChileCHI)*, pp. 42-47, Nov 2013. Temuco, Chile. ACM Press, New York, NY, USA. ISBN 978-1-4503-2200-3. Fondecyt 1120207.
35. Rodrigo Santos, Javier Orozco, Sergio Ochoa, Roc Meseguer. The Internet of Things to Support Urban Incident Responses. In *Proc. 7th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 286-293, 2013. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
36. Tomás Ruiz-López, Carlos Rodríguez-Domínguez, María José Rodríguez-Fortiz, Sergio Ochoa, José Luis Garrido. Context-aware Self-Adaptations: From Requirements Specification to Code Generation. In *Proc. 7th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 45-52, 2013. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
37. Netzahualcoyotl Hernández, Carlos Refugio, Mónica Tentori, Jesús Favela, Sergio Ochoa. Mobile and Context-Aware Grocery Shopping to Promote Active Aging. In *Proc. 5th International Workshop on Ambient Assisted Living (IWAAL)*, pp. 69-76, 2013. Carrillo, Costa Rica. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
38. Daniel Ortega, Luis Silvestre, Cecilia Bastarrica, Sergio Ochoa. A Tool for Modeling Software Development Contexts in Small Software Organizations. In Pablo Barceló, Rosa Alarcón (ed.), *Proc. 31st Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, pp. 29-35, Nov 2012. Valparaíso, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA. Post-Proceedings 2013.
39. Diego Muñoz, Mónica Tentori, Raymundo Cornejo, Jesús Favela, Francisco Gutierrez, Sergio Ochoa. Aligning Intergenerational Communication Patterns and Rhythms in the Age of Social Media. In *Proc. 1st Chilean Conference on Human-Computer Interaction (ChileCHI)*, pp. 66-71, Nov 2013. Temuco, Chile. ACM Press, New York, NY, USA. ISBN 978-1-4503-2200-3.
40. Luis Silvestre, Cecilia Bastarrica, Sergio Ochoa. A Model-Based Tool for Generating Software Process Model Tailoring Transformations. In Luis Ferreira Pires, Slimane Hammoudi (ed.), *Proc. 2nd International Conference on Model-Driven Engineering and Software Development (ModelsWard)*, pp. article 59, Jan 2014. Lisbon, Portugal. SCITEPress: Science and Technology Publications.
41. Ignacio Casas, Sergio Ochoa, Jason Imbrogno, Amy Ogan. Cultural Factors in the Implementation and Use of an Intelligent Tutoring System in Latin America. In *Proc. World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education (E-Learn)*, pp. 323-331, Oct 2014. New Orleans, Louisiana, United States. AACE Press, Morgantown, WV, USA.
42. Álvaro Monares, Sergio Ochoa, José Bravo, Nicolás Ochoa, Ramón Hervás. Understanding the Interaction Support for Mobile Work in an Emergency Room. In *Proc. 16th Human-*

Computer Interaction International (HCII), pp. 312-322, Jun 2014. Heraklion, Crete, Greece. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.

43. Esunly Medina, Fahim Kawsar, Roc Meseguer, Sergio Ochoa. Situated Micro-displays for Activity-Aware Systems. In *Proc. 16th Human-Computer Interaction International (HCII)*, pp. 450-461, Jun 2014. Heraklion, Crete, Greece. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
44. Pablo Romo, Sergio Ochoa, Nelson Baloian, Ignacio Casas, José Bravo. Monitoring Physical Activities Using Smartphones. In *Proc. 8th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 388-395, Dec 2014. Belfast, Ireland. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 8867.
45. Ivan Gonzalez, Cristian Carreton, Sergio Ochoa, José Bravo. Towards a Non-intrusive Self-management System for Asthma Control Using Smartphones. In *Proc. 8th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 44-47, Dec 2014. Belfast, Ireland. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 8867.
46. Victor Rojas, Sergio Ochoa, Ramón Hervás. Monitoring Moods in Elderly People through Voice Processing. In *Proc. 6th International Workshop on Ambient Assisted Living (IWAAL)*, pp. 139-146, Dec 2014. Belfast, Ireland. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 8868.
47. Javier Orozco, Rodrigo Santos, Sergio Ochoa, Leo Ordinez, Roc Meseguer, Nelson Baloian. Clinically Assisted Collaborative System Architecture for Preventing Falls in Elderly People. In *Proc. 6th International Workshop on Ambient Assisted Living (IWAAL)*, pp. 111-114, Dec 2014. Belfast, Ireland. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 8868.
48. Pere Millan, Carlos Molina, Roc Meseguer, Sergio Ochoa, Rodrigo Santos. Using a History-Based Approach to Predict Topology Control Information in Mobile Ad Hoc Networks. In *Proc. 7th International Conference on Internet and Distributed Computing Systems (IDCS)*, pp. 237-249, Sep 2014. Calabria, Italy. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 8729. ISBN 978-3-319-11691-4.
49. Maira Marques, Alcides Quispe, Sergio Ochoa. A Systematic Mapping Study on Practical Approaches to Teaching Software Engineering. In *Proc. 44th Frontiers in Education (FIE)*, pp. 1759-1766, Oct 2014. Madrid, Spain. IEEE Education Society, Los Alamitos, CA, USA.
50. Esunly Medina, Roc Meseguer, Sergio Ochoa, Humberto Medina. A Behaviour Awareness Mechanism to Support Collaborative Learning. In *Proc. 21st Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 95-110, Sep 2015. Yerevan, Armenia. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 9334. ISBN 978-3-319-22746-7.

51. Luis Silvestre, Cecilia Bastarrica, Sergio Ochoa. A Usable MDE-based Tool for Software Process Tailoring. In Timothy Lethbridge, Jordi Cabot, Alexander Egyed (ed.), *Proc. 18 ACM/IEEE International Conference on Model Driven Engineering Languages and Systems (MODELS)*, pp. 36-39, Sep 2015. Springer-Verlag, Berlin/Heidelberg, Germany. LNCS. ISBN 978-1-4673-6907-7.
52. Rodrigo Santos, Javier Orozco, Sergio Ochoa, Roc Meseguer, Gabriel Eggly. A MAC protocol for Underwater Sensors Networks. In *Proc. 9th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 394-406, 2015. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
53. Diego Muñoz, Francisco Gutierrez, Sergio Ochoa. Introducing Ambient Assisted Living Technology at the Home of the Elderly: Challenges and Lessons Learned. In *Proc. 7th International Workshop on Ambient Assisted Living (IWAAL)*, pp. 125-136, Dec 2015. Puerto Varas, Chile. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 9455.
54. Pablo Guerrero, Matías Pavéz, Diego Chavez, Sergio Ochoa. Landmark-Based Histograms of Oriented Gradients for Facial Emotion Recognition. In *Proc. 7th International Workshop on Ambient Assisted Living (IWAAL)*, pp. 288-299, Dec 2015. Puerto Varas, Chile. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 9455.
55. Esperanza Johnson, Ramón Hervás, Tania Mondejar, José Bravo, Sergio Ochoa. Improving Social Communication Disorders through Human-Avatar Interaction. In *Proc. 1st International Conference on Ambient Intelligence for Health (AmIHealth)*, pp. 237-243, Dec 2015. Puerto Varas, Chile. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 9456.
56. Luis Silvestre, Sergio Ochoa, Maira Marques. Understanding the Design of Software Development Teams for Academic Scenarios. In *Proc. 34th Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, pp. 1-6, 2015. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA.
57. Francisco Gutierrez, Sergio Ochoa, Julita Vassileva. Mediating Asymmetries in Family Communication: Supporting the eInclusion of Older Adults. In *Proc. 9th Human-Computer Interaction International (HCII)*, pp. 438-448, Aug 2015. Los Angeles, USA. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science. ISBN 978-3-319-20815-2.
58. José Tapia, Francisco Gutierrez, Sergio Ochoa. Using Smart TV Applications for Providing Interactive Ambient Assisted Living Services to Older Adult. In *Proc. 10th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 514-524, Nov 2016. Canary Islands, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
59. Rodrigo Santos, Matías Micheletto, Javier Orozco, Sergio Ochoa, Roc Meseguer, Pere Millan, Carlos Molina. Scheduling Real-Time Traffic in Underwater Acoustic Wireless Sensor

Networks. In *Proc. 10th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 150-162, Nov 2016. Canary Islands, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.

60. Francisco Gutierrez, Sergio Ochoa, Julita Vassileva. Mediating Intergenerational Family Communication with Computer-Supported Domestic Technol. In *Proc. 23rd Collaboration Researchers' International Workshop on Groupware (CRIWG)*, pp. 132-147, Aug 2017. Saskatoon, Canada. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 10391.
61. Alonso Gaete, Francisco Gutierrez, Sergio Ochoa, Pablo Guerrero, André Wyzykowski. Visitrack: A Pervasive Service for Monitoring the Social Activity of Older Adults Living at Home. In *Proc. 11th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 520-530, Nov 2017. Villanova, Pensilvania, USA. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. LNCS 10586. ISBN 978-3-319-67584-8.
62. Rodrigo Santos, Javier Orozco, Sergio Ochoa, Roc Meseguer, Daniel Mosse. Supporting Real-Time Message Delivery in Disaster Relief Efforts: An Analytical Approach. In *Proc. 11th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 579-590, Nov 2017. Villanova, Pensilvania, USA. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. LNCS 10586. ISBN 978-3-319-67584-8.
63. Rodrigo Santos, Javier Orozco, Daniel Mosse, Vinicius Petrucci, Sergio Ochoa, Roc Meseguer. Flying Real-Time Network for Disaster Assistance. In *Proc. 11th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 591-602, Nov 2017. Villanova, Pensilvania, USA. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. LNCS 10586. ISBN 978-3-319-67584-8.
64. Yonatan Pineda, Faber Giraldo, William Giraldo, Sergio Ochoa, Ramón Hervás. Using MDE to Develop Suitable User Interfaces for Older Adults: A Case Study. In *Proc. 12th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. article 1201, Dec 2018. Punta Cana, Dominican Republic. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 2.
65. Maximiliano Canche, Sergio Ochoa. Modeling Computer-mediated User Interactions in Ubiquitous Collaborative Systems. In *Proc. 12th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. article 1250, Dec 2018. Punta Cana, Dominican Republic. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 2.
66. Felipe Rodriguez, Sergio Ochoa, Francisco Gutierrez. Seamlessly Mediation of Social Interaction Services Respecting Communication Preferences. In *Proc. 12th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. article 1249, Dec 2018. Punta Cana, Dominican Republic. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 2.

67. Gabriel Eggly, Mariano Finochietto, Matías Micheletto, Roger Pueyo, Rodrigo Santos, Sergio Ochoa, Roc Meseguer, Javier Orozco. Evacuation Supporting System Based on IoT Components. In *Proc. 13th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. article 38, Dec 2019. Toledo, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
68. Roger Pueyo, Felix Freitag, Roc Meseguer, Leandro Navarro, Sergio Ochoa, Rodrigo Santos. A LoRa-based Communication System for Coordinated Response in an Earthquake Aftermath. In *Proc. 13th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. article 73, Dec 2019. Toledo, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
69. Andrea Benavides, Francisco Gutierrez, Sergio Ochoa. Hermes: A Digital Assistant for Coordinating Invisible Work in Family Elderly Caregiving Scenarios. In *Proc. Human Aspects of IT for the Aged Population (ITAP)*, pp. 437-450, 2020. Springer Nature Switzerland AG, Cham, Switzerland.
70. Tomás Vera, Sergio Ochoa, Daniel Perovich. Development Effort Estimation Practices in Small Software Companies: An Exploratory Study. In *Proc. 39th Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, pp. 1-8, 2020. Coquimbo. IEEE Computer Society Press, Los Alamitos, CA, USA.
71. Maximiliano Canche, Sergio Ochoa, Daniel Perovich. Identifying Interaction and Awareness Services in Mobile Collaborative Applications. In *Proc. Human-Computer Interaction International (HCII)*, pp. 3-16, Jun 2022. Virtual conference. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
72. Maximiliano Canche, Sergio Ochoa, Daniel Perovich. Understanding the Suitability of Modeling Languages and Notations to Represent Computer-Mediated Interaction Scenarios. In *Proc. International Conference on Information Technology & Systems (ICITS)*, pp. 677-686, Feb 2022. Virtual conference. Springer International Publishing AG, Gewerbestrasse 11, 6330 Cham, Switzerland. Lecture Notes in Networks and Systems.
73. Alejandro Luman, Maximiliano Canche, Sergio Ochoa, Daniel Perovich. Modeling Interactions and Awareness Capabilities of Mobile Collaborative Systems. In *Proc. 14th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 829-839, Nov 2022. Cordoba, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
74. Manuel Ibarra, Mario Aquino, Carlos R. Quispe, Sergio Ochoa. An IoT-based System Architecture for Monitoring Hydroponic Growing in Urban Agriculture. In *Proc. 14th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 622-633, Nov 2022. Cordoba, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
75. Sergio Ochoa, Maira Marques, Luis Silvestre, Roc Meseguer. Understanding Teamwork in Dynamic Contexts: An Study in a Software Engineering Project Course. In *Proc. 10th*

International Conference on Computational Science and Computational Intelligence (CSCI), pp. 1721-1728, Dec 2023. Las Vegas, NV, USA. IEEE Computer Society Press, Los Alamitos, CA, USA.

76. Anelis Pereira-Vale, Tomás Vera, Daniel Perovich, Sergio Ochoa, Fabiane Benitti. An Interactive Visual Instrument to Address the Scoping of Bespoke Information Systems. In *Proc. 26th Human-Computer Interaction International (HCII)*, pp. 153-163, Jun 2024. Washington DC, USA. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 14689.
77. Tomás Vera, Anelis Pereira-Vale, Daniel Perovich, Sergio Ochoa, Maira Marques. Making Explicit the Problem and Context to Address in Project-based Software Engineering Courses. In *Proc. 26th Human-Computer Interaction International (HCII)*, pp. 382-396, Jun 2024. Washington DC, USA. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 14689.
78. Tomás Vera, Sergio Ochoa, Rodrigo Santos, Daniel Perovich. Defining the Scope of IoT Systems at the Pre-contract Time. In *Proc. 16th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 666-673, Nov 2024. Belfast, North Ireland. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
79. Guillermo Cubero, Laura Villa, Jesús Favela, Sergio Ochoa, Celia Díaz-Fernández, Ramón Hervás. SHARA in the Land of Oz: A Platform for the Rapid Development of Human-Robot-Interactions Using Social Robot Simulator and Wizard of Oz. In *Proc. 16th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, pp. 87-98, Nov 2024. Belfast, North Ireland. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
80. Maira Marques, Sergio Ochoa. Addressing Brownfield Projects in Software Engineering Courses Using a Shared Interactive Workspace: An Experience Report. In *Proc. 27th Human-Computer Interaction International (HCII)*, pp. 293-304, Jun 2025. Gothenburg, Sweden. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.

Type M

1. César Collazos, Toni Granollers, Rosa Gil, Luis Guerrero, Sergio Ochoa. Multicultural Aspects in HCI-Curricula. In *Proc. World Conference in Educational Sciences (WCES)*, Feb 2010. Istanbul, Turkey. Published in *Procedia Social and Behavioral Sciences* 2(2):1584-1587.
2. Luis Guerrero, Sergio Ochoa, César Collazos. A Mobile Learning Tool for Improving Grammar Skills. In *Proc. World Conference in Educational Sciences (WCES)*, Feb 2010. Istanbul, Turkey. Published in *Procedia Social and Behavioral Sciences* 2(2):1735-1739.
3. Ignacio Casas, César Collazos, Luis Guerrero, Claudia Leiva, Sergio Ochoa, Jaime Puente. Addressing Computer-Supported Collaborative Learning in the Classroom: Experiences in Engineering Education. In *Proc. World Conference in Educational Sciences (WCES)*, Feb 2010. Istanbul, Turkey. Published in *Procedia Social and Behavioral Sciences* 2(2):2685-2688.

Type N

1. Sergio Ochoa, César Collazos, Gabriel Bravo, Andrés Neyem, Luis Guerrero, Emilio Ormeño. A Computational Tool for Supporting the Evaluation as a Mechanism to Improve Learning. In *Proc. 9th IFIP World Conference on Computers in Education (WCCE)*, pp. 80, Jul 2009. Bento Gonçalves, Porto Alegre, Brazil. ISBN 978-3-901882-35-7. In CD-Rom.
2. Juan Rodríguez-Covili, Sergio Ochoa. Providing Presence and Activity Awareness in Construction Inspection Activities. In *Proc. 5th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, Dec 2011. Riviera Maya, Mexico.
3. Luis A. Guerrero, Francisco Vásquez, Sergio Ochoa. Supporting the Movement of Blind People in Indoor Environments. In *Proc. 5th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, Dec 2011. Riviera Maya, Mexico.
4. Luis A. Guerrero, Pablo Cordella, Sergio Ochoa. Understanding the Use of Tangible User Interfaces through Videogames. In *Proc. 5th International Conference on Ubiquitous Computing and Ambient Intelligence (UCAmI)*, Dec 2011. Riviera Maya, Mexico.
5. Raymundo Cornejo, Daniel Hernández, Jesús Favela, Mónica Tentori, Sergio Ochoa. Persuading older adults to socialize and exercise through ambient games. In *Proc. 6th International Conference on Pervasive Computing Technologies for Healthcare (Pervasive Health)*, pp. 215-218, May 2012. San Diego, CA, USA.
6. Ignacio Casas, Jason Imbrogno, Sergio Ochoa, Adriana Vergara. Adapting a Cognitive Tutoring Strategy for Mathematics in Latin America. In *Proc. 5th International Workshop on Culturally-Aware Tutoring Systems (CATS)*, pp. 27-37, Jun 2014. Hawaii, USA.
7. Andrés Llinás, Matías Micheletto, Sergio Ochoa, Rodrigo Santos. Software Defined Wireless Networks with Real-time Constraints. In *Proc. 12th Latin-American Symposium on Dependable and Secure Computing (LADC)*, pp. 226-229, Oct 2023. La Paz, Bolivia. ACM Press, New York, NY, USA.
8. Anelis Pereira-Vale, Daniel Perovich, Sergio Ochoa. Understanding the Pre-Contract Process of Small Software Projects. In *Proc. International Conference on Software Engineering & Knowledge Engineering (SEKE)*, pp. article 16, Jul 2023. San Francisco, CA, USA. KSI Research Inc, 56 Park Square Lane, PA USA.

Type O

1. Iván Claros, César Collazos, Andrés Lara, Sergio Ochoa, Luis Guerrero. Arquitectura Multiagente para la Gestión de Información de Awareness en Entornos CSCW. In *Proc. XXI Jornadas Chilenas de Computación (JCC)*, pp. 240-246, Nov 2009. Santiago, Chile.
2. Manuel Ibarra, Álvaro Monares, Sergio Ochoa, José A. Pino. Visualization of Relevant Information on Mobile Devices for Emergency Situations. In *Proc. Latin American Conference on Informatics (CLEI)*, pp. 1-10, 2012. Medellín, Colombia.

3. Emilio Ormeño, Sergio Ochoa, Claudio Alessio, Cintia Ferrarini. Damo's Quest: A Gamified Environment For Learning Programming. In *Proc. 50th Latin American Conference on Informatics (CLEI)*, pp. 1-4, Aug 2024. Bahia Blanca, Argentina.

Type Q

1. Francisco Gutierrez, Sergio Ochoa, Julita Vassileva. Identifying Opportunities to Support Family Caregiving in Chile. In *Proc. ACM Conference on Human Factors in Computing Systems (CHI)*, pp. 2112-2118, May 2016. San José, CA, USA. ACM Press, New York, NY, USA.