

Publications of Jocelyn Simmonds by year

Year 2015

1. Fabian Rojas, Jocelyn Simmonds, Cecilia Bastarrica. Software Process Line Discovery. In *Proc. 9th International Conference on Software and System Process (ICSSP)*, pp. 127-136, Aug 2015. Tallin, Estonia. ACM Press, New York, NY, USA. ISBN 10.1145/2785592.2785605.
2. Jocelyn Simmonds, Daniel Perovich, Cecilia Bastarrica, Luis Silvestre. A Megamodel for Software Process Line Modeling and Evolution. In Timothy Lethbridge, Jordi Cabot, Alexander Egyed (ed.), *Proc. 18 ACM/IEEE International Conference on Model Driven Engineering Languages and Systems (MODELS)*, pp. 406-415, Sep 2015. Springer-Verlag, Berlin/Heidelberg, Germany. LNCS. ISBN 978-1-4673-6907-7.
3. Diego Rivera, Sebastian Blasco, Javier Bustos-Jiménez, Jocelyn Simmonds. Spin Lock Killed the Performance Star. In *Proc. 34th Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, 2015. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA.

Year 2016

1. Alexis Silva, Jocelyn Simmonds. BehaviorDroid: monitoring Android applications. In *Proc. 3rd International Conference on Mobile Software Engineering and Systems (MOBILESoft)*, pp. 2, May 2016. ACM Press, New York, NY, USA.
2. Fabian Rojas, Jocelyn Simmonds, Cecilia Bastarrica. The V-algorithm for Discovering Software Process Lines. *Journal of Software: Evolution and Process (JSEP)* 28(9):783-799, Sep 2016. John Wiley & Sons, Hoboken, NJ, USA. ISSN 2047-7481.
3. Jérémy Barbay, Jocelyn Simmonds, Adriana Nishida, Monael Ribeiro. "Teaching is Learning": Pedagogical Material Created and Evaluated by Students. In *Proc. 46th Frontiers in Education (FIE)*, Oct 2016. Erie, Pennsylvania. IEEE Education Society, Los Alamitos, CA, USA.

Year 2017

1. Jocelyn Simmonds, Eric Walkingshaw, ed. *Proceedings of the ACM SIGPLAN International Workshop on Feature-Oriented Software Development (FOSD)*, 2017. ACM Press, New York, NY, USA.

Year 2018

1. Francisco Gutierrez, Jocelyn Simmonds, Nancy Hitschfeld, Cecilia Casanova, Cecilia Sotomayor, Vanessa Peña. Assessing Software Development Skills among K-6 Learners in a

Project-based Workshop with Scratch. In *Proc. 40th ACM/IEEE International Conference on Software Engineering (ICSE)*, pp. 98-107, May 2018. Gothenburg, Sweden. ACM Press, New York, NY, USA.

2. Cecilia Bastarrica, Nancy Hitschfeld, Maira Marques, Jocelyn Simmonds. Affirmative Action for Attracting Women to STEM in Chile. In Erika Abraham, Elisabetta Di Nitto, Raffaella Mirandola (ed.), *Proc. 1st International Workshop on Gender Equality in Software Engineering (GE)*, pp. 45-48, May 2018. ACM.
3. Jocelyn Simmonds, Maira Marques, Milenko Tomic, Francisco Madrid, Constanza Escobar. Software Engineering for Millennials, by Millennials. In *Proc. Workshop on Software Engineering Education for Millennials (SEEM)*, pp. 72-79, 2018.
4. Jocelyn Simmonds, Jennifer Horkoff, Richard Paige, Sahar Kokaly, ed. *Proceedings of the 10th International Workshop on Models in Software Engineering (MiSE)*, 2018. ACM Press, New York, NY, USA.
5. Francisco Gutierrez, Jocelyn Simmonds, Cecilia Casanova, Cecilia Sotomayor, Nancy Hitschfeld. Coding or Hacking? Exploring Inaccurate Views on Computing and Computer Scientists among K-6 Learners in Chile. In *Proc. 49th ACM Technical Symposium on Computer Science Education (SIGCSE)*, pp. 993-998, Feb 2018. Baltimore, MD, USA. ACM Press, New York, NY, USA. ISBN 78-1-4503-5103-4/18/02.

Year 2019

1. Maira Marques, Jocelyn Simmonds, Pedro Rossel, Cecilia Bastarrica. Software Product Line Evolution: A Systematic Literature Review. *Information and Software Technology (IST)* 105:190-208, 2019. Elsevier Science, Amsterdam, The Netherlands. ISSN 0950-5849.
2. Pablo Estefo, Jocelyn Simmonds, Romain Robbes, Johan Fabry. The Robot Operating System: Package reuse and community dynamics. *Journal of Systems and Software (JSS)* 151:226-242, May 2019. Elsevier Science, Amsterdam, The Netherlands. ISSN 0164-1212.
3. Jocelyn Simmonds, Francisco Gutierrez, Cecilia Casanova, Cecilia Sotomayor, Nancy Hitschfeld. A Teacher Workshop for Introducing Computational Thinking in Rural and Vulnerable Environments. In *Proc. 50th ACM Technical Symposium on Computer Science Education (SIGCSE)*, pp. 1143-1149, Feb 2019. Minneapolis. ACM Press, New York, NY, USA.
4. Cecilia Bastarrica, Jocelyn Simmonds. Gender Differences in Self and Peer Assessment in a Software Engineering Capstone Course. In *Proc. 2nd International Workshop on Gender Equality in Software Engineering (GE)*, pp. 29-32, May 2019. ACM.

Year 2020

1. Carla Sepúlveda-Díaz, Elson Stuardo Rojas, Jocelyn Simmonds, Francisco Gutierrez, Nancy Hitschfeld, Cecilia Casanova, Cecilia Sotomayor. Lessons Learned from Introducing Preteens

in Parent-Led Homeschooling to Computational Thinking. In *Proc. 51st ACM Technical Symposium on Computer Science Education (SIGCSE)*, pp. 65-71, Mar 2020. Portland, OR. ACM Press, New York, NY, USA.

Year 2021

1. Jocelyn Simmonds, Cecilia Bastarrica, Nancy Hitschfeld. Impact of Affirmative Action on Female Computer Science/Software Engineering Undergraduate Enrollment. *IEEE Software* 38(2):32-37, Mar 2021. IEEE Press, Piscataway, NJ, USA. ISSN 0740-7459.
2. Jocelyn Simmonds, Francisco Gutierrez, Federico Meza, Catalina Torrent, Jaime Villalobos. Changing Teacher Perceptions about Computational Thinking in Grades 1-6, through a National Training Program. In *Proc. ACM Technical Symposium on Computer Science Education (SIGCSE)*, pp. 260-266, Mar 2021. Virtual Event. ACM Press, New York, NY, USA.
3. Mabel Vidal, Jazmine Maldonado, Teresa Bracamonte, Florencia Miranda, Antonia Labarca, Jocelyn Simmonds. Niñas Pro: An Initiative to Educate, Inspire and Empower Women. In *Proc. Congress of Latin American Women in Computing (LAWCC)*, pp. 35-46, 2021. CEUR Publications.

Year 2022

1. Jocelyn Simmonds, Rafael Prikladnicki, Mirosław Staron, Christian Berger, ed. *Proceedings of the International Conference on Evaluation and Assessment in Software Engineering (EASE)*, 2022. ACM Press, New York, NY, USA.
2. Jocelyn Simmonds, Francisco Gutierrez, Nancy Hitschfeld, Catalina Torrent, Cecilia Casanova, Sebastián Toro-Guajardo, Valentín Muñoz. A Model for Infusing Computational Thinking Skills at Teacher Colleges in a Developing Country. In *Proc. 17th Workshop in Primary and Secondary Computing Education (WiPSCE)*, pp. article 17, 2022. Morschach, Switzerland. ACM Press, New York, NY, USA.
3. Cecilia Bastarrica, Jocelyn Simmonds. The Effects of Team Gender Composition in Capstone Software Development Projects. In *Proc. 41th Proceedings of the International Conference of the Chilean Computer Science Society (SCCC)*, pp. 1-6, Nov 2022. Santiago, Chile. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-6654-5674-6.

Year 2023

1. Jocelyn Simmonds, Constanza Diaz, Carlos Estay. Introducing Computational Thinking at Vocational High Schools. In *Proc. 28th ACM Conference on Innovation and Technology in Computer Science Education (ITICSE)*, pp. 68-74, 2023. ACM Press, New York, NY, USA.

2. Sebastian Alfaro, Alexandre Bergel, Jocelyn Simmonds. mPrintGen: Supporting Workflow Logs Analysis through Visual Microprint. In *Proc. 11th IEEE Working Conference on Software Visualization (VISOFT)*, pp. 45-49, 2023. Bogota, Colombia. IEEE Computer Society Press, Los Alamitos, CA, USA.

Year 2024

1. Jocelyn Simmonds, Cecilia Bastarrica, Nancy Hitschfeld, Pablo Villar Mascaró, Diego Wistuba, Jo Muñoz Montenegro, Millaray Cárdenas. Rethinking Gender Diversity and Inclusion Initiatives for CS and SE in a University Setting. In *Equity, Diversity, and Inclusion in Software Engineering. Best Practices and Insights*, pp. 399-412, Sep 2024. Apress, One New York Plaza, Suite 4600, New York.
2. Jocelyn Simmonds, Nancy Hitschfeld, Cecilia Casanova, Valentín Muñoz, Catalina Torrent, Eliana Scheihing, Valeria Henriquez, Paulo Contreras, Daniel Estrada, Karen Mercado, Lucia Marquez. Designing Project-based learning experiences to integrate Computational Thinking skills at Teacher Colleges. In *Proc. 19th Workshop in Primary and Secondary Computing Education (WiPSCE)*, pp. article 38, Sep 2024. ACM Press, New York, NY, USA.

Year 2025

1. 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.
2. Sonja Hyrynsalmi, Sebastian Baltes, Christopher Brown, Rafael Prikladnicki, Gema Rodríguez-Pérez, Alexander Serebrenik, Jocelyn Simmonds, Bianca Trinkenreich, Yi Wang, Grischa Liebel. Making Software Development More Diverse and Inclusive: Key Themes, Challenges, and Future Directions. *ACM Transactions on Software Engineering and Methodology (TOSEM)* 34(5):article 134, 2025. ACM Press, New York, NY, USA. ISSN 1049-331X.
3. Cecilia Bastarrica, Jocelyn Simmonds. The Influence of Software Engineering Education on Developing Teamwork Skills in Both Genders. *IEEE Access* 13:116944-116958, Jul 2025. IEEE Computer Society Press, Los Alamitos, CA, USA. ISSN 2169-3536.