

Curriculum Vitae

(Versión Resumida)

Dr. Sebastian Uchitel

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Cargos (selección)

- 2018 - Profesor Titular, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
- 2016 - Director, Instituto CONICET-UBA de Investigación en Ciencias de la Computación.
- 2016 - Investigador Principal, CONICET, Argentina.
- 2012 - 2015 Director Independiente Titular, Directorio, YPF S.A.
- 2011 - 2016 Investigador Independiente, CONICET, Argentina.
- 2010 - 2018 Profesor Asociado, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Regular Dedicación Exclusiva
- 2008 - *Reader* (Profesor Asociado) Visitante, Departamento de Computación, Imperial College London, Reino Unido.
- 2008 - Profesor Visitante, National Institute of Informatics, Japón.
- 2006 - 2010 Profesor Adjunto, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Regular Dedicación Exclusiva
- 2006 - 2010 Investigador Adjunto, CONICET, Argentina.
- 2006 - 2008 *Lecturer* (Profesor Adjunto) Visitante, Departamento de Computación, Imperial College London, Reino Unido.
- 2004 - 2007 *Lecturer* (Profesor Adjunto) Honorífico, Department of Computer Science, University College London, Reino Unido.
- 2003 - 2006 *Lecturer* (Profesor Adjunto), Departamento de Computación, Imperial College London, Reino Unido.
- 2002 - 2003 Investigador Asociado, Departamento de Computación, Imperial College London, Reino Unido.
- 1995 - 1998 Socio fundador y Director, Lemma Informática s.r.l, Buenos Aires, Argentina.

Títulos (selección)

- 2003 PhD en Computación, Facultad de Ingeniería, Imperial College London, Reino Unido. *Incremental Elaboration of Scenario-based Specifications and Behaviour Models using Implied Scenarios*. Directores: Prof. J. Kramer and Prof. J. Magee.
- 1998 Licenciado en Ciencias de la Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. *Un Formalismo Dual para la Descripción de Arquitecturas de Software*. Director: Prof. D. Yankelevich.
- 1995 Analista Universitario en Computación. Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.

Premios y Distinciones (selección)

- * 2018 Reconocido como “top 5” de los últimos 25 años en temas de Modelado en Ingeniería de Software, IEEE Software, 5(35), pp. 88-93.
- 2017 Categoría A, Ministerio de Educación
- * 2015 Premio Investigador Distinguido de la ACM.
- * 2013 Premio Houssay, Ministerio de Ciencia, Tecnología en Innovación Productiva, Argentina.
- * 2013 Premio Konex a Figuras Destacadas en Ciencia y Tecnología de la Última Década, Fundación Konex, Argentina.
- 2010 Software Engineering Innovation Foundation Award, Microsoft Research, EEUU.
- * 2008 Premio Estímulo, Academia Nacional de Ciencias Exactas, Naturales y Físicas, Argentina.
- * 2007 Starting Grant Award, European Research Council.
- 2007 Premio a la Trayectoria y Reconocimiento Internacional, Cámara de Empresas de Software y Servicios Informáticos, Argentina.
- * 2007 Mención como 8vo en ranking mundial de investigadores en Ingeniería de Software. [Communications of the ACM 6(50) pp 81-85, Junio 2007].
- 2006 Faculty Award, IBM, EEUU.
- * 2005 Philip Leverhulme Prize. The Leverhulme Trust, Reino Unido.
- 2004 Newly Appointed Lecturers Award. The Nuffield Foundation, Reino Unido.

Cargos de Gestión Universitaria (selección)

- * 2018 - Consejero Directivo, Centro de Investigación y Transferencia de Tierra del Fuego, Argentina.
- * 2016 - Director, Instituto CONICET-UBA de Investigación en Ciencias de la Computación.
- 2014 - 2015 Miembro Titular por Computación, Comisión Doctorado, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
- 2010 - 2013 Consejero Directivo, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
- * 2010 - 2012 Director, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
- 2005 - 2006 *PhD Admissions Tutor* (Secretario de Admisiones a Carrera de Doctorado), Imperial College London, Reino Unido.

Experiencia Industrial y de Vinculación

- * 2013 - Director de Plataforma Tecnológica de Ingeniería de Software. Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
- 2011 - 2012 Coordinador Convenio de Asistencia Técnica con Aerolíneas Argentinas, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
- 1999 - Consultor en I+D
- * 1995 - 1998 Socio, Fundador y Director, Lemma Informática S.R.L.
- 1990 - 1995 Programador Independiente.

Actividades Profesionales (selección)

Keynotes Plenarios y Apertura de Congresos

- 2017 10th India Software Engineering Conference, Jaipur, India.
- * 2016 11th International Symposium on Software Engineering for Adaptive and Self-Managing Systems (SEAMS), 2016, Austin, Texas
- 2015 ESEC/FSE Doctoral Symposium, Bergamo, Italy
- 2015 ICSE Workshop on Modelling in Software Engineering (MiSE), Florence, Italy
- 2014 International Workshop on Software Engineering for Smart Cities, Abu Dhabi, UAE
- 2012 11th International Workshop on Foundations of Coordination Languages and Self Adaptation, Newcastle, UK
- 2010 XIII Conferencia Iberoamericana de Ingeniería de Software, Ecuador
- 2010 GRACE International Symposium on Advanced Software Engineering 2010, Tokyo, Jopón
- 2010 Simposio Argentino de Ingeniería de Software, Buenos Aires Argentina
- 2009 Simposio Brasileiro sobre Métodos Formales, Gramado, Brazil

Responsabilidades Editoriales

- * 2018 - Miembro del Board de Editores, Communications of the ACM, ACM.
- 2013 - 2017 Miembro del Board de Editores, Science of Computer Programming (SCP) Journal, Elsevier.
- 2008 - Editor Asociado, Requirements Engineering Journal (REJ), Springer.
- * 2006 - 2010 Editor Asociado, Transactions on Software Engineering (TSE), IEEE.

Responsabilidades en Organismos de Ciencia y Técnica

- 2013 - 2016 Miembro del Consejo Asesor del Sistema Nacional de Computo de Alto Desempeño (SNCAD).
- 2013 - 2014 Miembro de Comisión de Promociones, Informática y Comunicaciones, CONICET, Argentina.
- 2013 Jurado, Selección del Director Regular del Centro de Investigación de Métodos Computacionales, CONICET, Argentina.
- * 2012 Coordinador Comisión de Informática y Comunicaciones, Agencia Nacional de Promoción Científico Tecnológico, Argentina.
- * 2011 - Comité de Especialistas, Fundación Sadosky, Argentina.
- 2011 Comité de Especialistas, Tecnopolis TV, MINCYT, Argentina.
- 2010 - 2011 Co-coordinador Comisión de Informática y Comunicaciones, Agencia Nacional de Promoción Científica Tecnológica, Argentina.
- 2010 - 2011 Comisión de Becas, Informática y Comunicaciones, CONICET, Argentina.
- 2006 - 2010 Comisión Técnica Asesora en Ciencias Básicas y Biológicas, Universidad de Buenos Aires, Argentina.
- * 2008 Coordinador de Prospectiva en Ingeniería de Software, Ministerio de Ciencia Tecnología e Innovación Productiva, Argentina.

Membresía a Asociaciones Profesionales y Científicas (selección)

- * 2007 - IFIP Working Group 2.9. Software Requirements Engineering.
- 1998 - IEEE Computer Society (Senior Member)
- 1998 - ACM SIGSOFT (Distinguished Member)

Steering Committees (selección)

- * 2007 - IEEE/ACM International Software Engineering Conference.
- 2006 - 2010 IEEE/ACM Automated Software Engineering Conference.

General Chairmanships

- * 2017 39th IEEE/ACM International Conference on Software Engineering, Buenos Aires, Argentina.

Chair de Comités de Programa de Conferencias (selección)

- * 2010 co-Chair del Comité de Programa, 32nd IEEE/ACM Internacional Conference on Software Engineering, Ciudad del Cabo, Sudáfrica.
- 2006 co-Chair del Comité de Programa, 21th IEEE/ACM Automated Software Engineering Conference (ASE), Tokyo, Japón.

Comités de Programa de Conferencia

ICSE	IEEE/ACM International Conference on Software Engineering: 2005, 2008, 2009, 2011, 2013, 2018.
FSE-ESEC/FSE	ACM Symposium on Foundations of Software Engineering and Joint Meeting of the European Software Engineering Conference and the ACM Symposium on Foundations of Software Engineering: 2005-2007, 2010, 2013-2015.
ASE	IEEE/ACM International Conference on Automated Software Engineering Conference: 2003-2005, 2007, 2013.
RE	IEEE International Requirements Engineering Conference: 2005, 2007, 2011 (Program Board), 2012 (Program Board), 2013.
FASE	European Conference on Fundamental Approaches to Software Engineering European Joint Conferences on Theory and Practice of Software (ETAPS): 2006-2009, 2014, 2015.
FM	International Formal Methods Conference: 2008.

Estudiantes de Doctorado

- 2014 - Leandro Nahabedian, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina.
- 2013 - 2018 Daniel Ciolek, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Actualmente Jefe de Investigación y Desarrollo, InvGate, Argentina
- 2007 - 2015 Esteban Pavese, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Actualmente investigador en Humboldt-Universität zu Berlin, Alemania
- 2007 - 2015 Hernan Czemerinsky, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Actualmente en Fundación Sadosky, Argentina.
- 2008 - 2013 German Sibay, Departamento de Computación, Imperial College London, Reino Unido. Actualmente “Team Lead” TransferWise LatAm Engineering, Reino Unido.
- 2008 - 2013 Nicolas D’Ippolito, Departamento de Computación, Imperial College London, Reino Unido. Actualmente Profesor Regular Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina y Director de Ingeniería en Argentina, ASAPP.
- 2007 - 2013 Guido de Caso, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Actualmente Arquitecto de Software Principal, MuleSoft, Argentina.
- 2006 - 2012 Dario Fischbein, Departamento de Computación, Imperial College London, Reino Unido. Actualmente “Head of Quantitative Development” en Nomura, USA.
- 2006 - 2011 Paulo Henrique Maia, Departamento de Computación, Imperial College London, Reino Unido. Actualmente docente de UFP, Brasil.
- 2005 - 2010 Dalal Alrajeh, Departamento de Computación, Imperial College London, Reino Unido. Actualmente Lecturer, Departamento de Computación, Imperial College London, Reino Unido.
- 2003 - 2007 Lucio Mauro Duarte, Departamento de Computación, Imperial College London, Reino Unido. Actualmente profesor regular UFRGS, Brasil.
- 2004 - 2008 Genaina Rodrigues, Computer Science Department, University College London, Reino Unido. Actualmente docente UFB, Brasil.

Investigadores

- 2013 - Nicolas D'Ippolito, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Investigador Adjunto, CONICET.
- 2012 - 2014 Daniel Sykes, Departamento de Computación, Imperial College London, Reino Unido. Actualmente "Senior Software Engineer", OCADO, Reino Unido.
- 2010 - 2013 Dalal Alrajeh, Departamento de Computación, Imperial College London, Reino Unido. Actualmente Lecturer, Departamento de Computación, Imperial College London, Reino Unido.
- 2008 - 2013 Diego Garbervetsky, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Actualmente profesor regular adjunto en Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina e Investigador Independiente CONICET.
- 2007 - 2013 Hernan Melgratti, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Actualmente profesor adjunto regular en Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina e Investigador Adjunto CONICET.
- 2007 - 2010 Victor Braberman, Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina. Actualmente profesor regular asociado en Departamento de Computación, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires, Argentina e Investigador Independiente CONICET.
- 2006 - 2007 Dan Hirsch, Departamento de Computación, Imperial College London, Reino Unido. Actualmente "Chief Technology Officer and VP of Product Development" at Resolution 8 Technologies Argentina.

Subsidios (Investigador Principal)

- 2014 - High Level System Adaptation: A Correct by Construction Approach, PICT, ANPCYT, Argentina, ~50.000 USD
- * 2013 - Plataforma Tecnológica en Ingeniería de Software, PPL,w ANPCYT, Argentina, ~1.600.000 USD
- 2012 - 2014 Síntesis de Controladores para la Ingeniería de Software, PICT, ANPCYT, Argentina, ~80.000 USD
- 2010 - 2012 Modelado y Análisis de Sistemas Tolerantes a Fallas. PAE PICT 37279, ANPCYT, Argentina, ~80.000 USD
- 2010 - 2012 Verificación Parcial de Software. PIP112-200801-00955KA4, CONICET, Argentina, ~25.000 USD.
- 2011 - 2013 Modelos formales en la ingeniería de software: construcción, validación y verificación, UBACYT X813, Universidad de Buenos Aires, Argentina, ~25.000 USD.
- * 2009- 2013 Modelado de Comportamiento Parcial: Fundamentals para la Ingeniería de Software Incremental e Iterativa basada en Modelos. IDEAS Starting Grant 204853-2, Consejo de Investigación Europea, ~1,400,000 EUR.
- 2005 - 2008 SENSORIA: Ingeniería de Software para Computadoras *Overlay* Orientadas a Servicios. FP6, Consejo de Investigación Europea. (Coordinador: M. Wirsing) ~700.000 USD.
- 2005 - 2006 Síntesis y Elaboración de Modelos Parciales, GR/S03270/01, EPSRC, Reino Unido, ~240.000 USD.

Métricas Bibliográficas

Tomadas de Google y Scopus el 10 de Febrero, 2019:

- Citas = 5008/1374/2294 (Google/Google desde 2014/Scopus - sin autocitas).
- h-index = 34/21/24 (Google/Google desde 2014/Scopus - sin autocitas).
- i10-index = 84/45 (Google/Google desde 2014).

Publicaciones

Libros y Anales Editados

- * [LE1] Jeff Kramer, Judith Bishop, Premkumar T. Devanbu, and Sebastián Uchitel, editors. *Proceedings of the 32nd ACM/IEEE International Conference on Software Engineering - Volume 1 and 2, ICSE 2010, Cape Town, South Africa, 1-8 May 2010*. ACM, 2010.
- [LE2] Sebastian Uchitel and Steve Easterbrook, editors. *21st IEEE/ACM International Conference on Automated Software Engineering (ASE 2006), 18-22 September 2006, Tokyo, Japan*. IEEE Computer Society, 2006.

Números de Revista Editados

- [V1] Vittorio Cortellessa, Sebastián Uchitel, and Daniel Yankelevich. Special issue on software performance. *Journal of Systems and Software*, 82(1):1–2, 2009. (SCIMAGO Q2 for Software).
- [V2] Sebastián Uchitel and Steve M. Easterbrook. Special issue: Best papers from automated software engineering 2006. *Autom. Softw. Eng.*, 15(1):1–2, 2008. (SCIMAGO Q1 for Software).
- * [V3] Sebastián Uchitel, Manfred Broy, Ingolf H. Krüger, and Jon Whittle. Special section on interaction and state-based modeling. *IEEE Trans. Software Eng.*, 31(12):997–998, 2005. (SCIMAGO Q1 for Software).

Capítulos de Libro

- [CL1] Víctor A. Braberman, Nicolas D’Ippolito, Jeff Kramer, Daniel Sykes, and Sebastián Uchitel. Morph: A reference architecture for configuration and behaviour self-adaptation. In Carlo Ghezzi, David Garlan, Holger Giese, and Rogerio de Lemos, editors, *SEFSAS*, volume 13511 of *Dagstuhl Seminar Proceedings*. Internationales Begegnungs- und Forschungszentrum fuer Informatik (IBFI), Schloss Dagstuhl, Germany, 2017.
- [CL2] Guido de Caso, Víctor A. Braberman, Diego Garbervetsky, and Sebastián Uchitel. Abstractions for validation in action. In Marco Bernardo, Vittorio Cortellessa, and Alfonso Pierantonio, editors, *SFM*, volume 7320 of *Lecture Notes in Computer Science*, pages 192–218. Springer, 2012.
- * [CL3] Sebastian Uchitel, Jorge Boria, Victor Braberman, Marcelo Campo, Santiago Ceria, Pablo Michelis, Angel Perez Puletti, and Daniel Yankelevich. Prospectiva en ingeniería de software 2020. In Gabriel Baum and Alejandro Artopoulos, editors, *Libro Blanco de la Prospectiva TIC 2020*. Ministerio de Ciencia Tecnología e Innovación, 2010.

- [CL4] Howard Foster, Sebastián Uchitel, Jeff Magee, and Jeff Kramer. Ws-engineer: A model-based approach to engineering web service compositions and choreography. In Luciano Baresi and Elisabetta Di Nitto, editors, *Test and Analysis of Web Services*, pages 87–119. Springer, 2007.
- [CL5] Jeff Kramer, Jeff Magee, and Sebastián Uchitel. Software architecture modeling & analysis: A rigorous approach. In Marco Bernardo and Paola Inverardi, editors, *SFM*, volume 2804 of *Lecture Notes in Computer Science*, pages 44–51. Springer, 2003. (Scopus).

Artículos de Revista

- * [A1] L. Nahabedian, V. Braberman, N. D’Ippolito S. Honiden, J. Kramer, K. Tei, and S. Uchitel. Dynamic update of discrete event controllers. *IEEE Transactions on Software Engineering*, 2018.
- * [A2] D. Ciolek, V. Braberman, N. D’Ippolito, N. Piterman, and S. Uchitel. Interaction models and automated control under partial observable environments. *IEEE Transactions on Software Engineering*, 43(1):19–33, Jan 2017. (SCIMAGO Q1 for Software).
- * [A3] Esteban Pavese, Víctor Braberman, and Sebastian Uchitel. Less is more: Estimating probabilistic rewards over partial system explorations. *ACM Trans. Softw. Eng. Methodol.*, 25(2):16:1–16:47, April 2016. (SCIMAGO Q1 for Software).
- * [A4] E. Pavese, V. Braberman, and S. Uchitel. Probabilistic interface automata. *IEEE Transactions on Software Engineering*, PP(99):1–1, 2016. (SCIMAGO Q1 for Software).
- [A5] Lucio Mauro Duarte, Jeff Kramer, and Sebastian Uchitel. Using contexts to extract models from code. *Software & Systems Modeling*, pages 1–35, 2015. (SCIMAGO Q2 for Software).
- [A6] Hernan Czemerinski, Victor Braberman, and Sebastian Uchitel. Behaviour abstraction adequacy criteria for api call protocol testing. *Software Testing, Verification and Reliability*, pages n/a–n/a, 2015. (SCIMAGO Q1 for Software).
- * [A7] Dalal Alrjeh, Jeff Kramer, Alessandra Russo, and Sebastian Uchitel. Automated support for diagnosis and repair. *Commun. ACM*, 58(2):65–72, January 2015. (SCIMAGO Q1 for Software).
- * [A8] Nicolás D’Ippolito, Victor Braberman, Nir Piterman, and Sebastián Uchitel. Synthesising non-anomalous event-based controllers for liveness goals. *ACM Trans. Softw. Eng. Methodol.*, 22(1), 2013. (SCIMAGO Q1 for Software).
- [A9] Sebastián Uchitel, Dalal Alrajeh, Shoham Ben-David, Víctor A. Braberman, Marsha Chechik, Guido de Caso, Nicolás D’Ippolito, Dario Fischbein, Diego Garbervetsky, Jeff Kramer, Alessandra Russo, and German E. Sibay. Supporting incremental behaviour model elaboration. *Computer Science - R&D*, 28(4):279–293, 2013. (, Scopus).
- * [A10] German E. Sibay, Víctor A. Braberman, Sebastián Uchitel, and Jeff Kramer. Synthesizing modal transition systems from triggered scenarios. *IEEE Trans. Software Eng.*, 39(7):975–1001, 2013. (SCIMAGO Q1 for Software).
- * [A11] Guido de Caso, Víctor A. Braberman, Diego Garbervetsky, and Sebastián Uchitel. Enabledness-based program abstractions for behavior validation. *ACM Trans. Softw. Eng. Methodol.*, 22(3):25, 2013. (SCIMAGO Q1 for Software).

- * [A12] Dalal Alrajeh, Jeff Kramer, Alessandra Russo, and Sebastián Uchitel. Elaborating requirements using model checking and inductive learning. *IEEE Trans. Software Eng.*, 39(3):361–383, 2013. (SCIMAGO Q1 for Software).
- * [A13] Dario Fischbein, Nicolás D’Ippolito, Greg Brunet, Marsha Chechik, and Sebastián Uchitel. Weak alphabet merging of partial behavior models. *ACM Trans. Softw. Eng. Methodol.*, 21(2):9, 2012. (SCIMAGO Q1 for Software).
- * [A14] Guido de Caso, Víctor A. Braberman, Diego Garbervetsky, and Sebastián Uchitel. Automated abstractions for contract validation. *IEEE Trans. Software Eng.*, 38(1):141–162, 2012. (SCIMAGO Q1 for Software).
- [A15] Mathieu Sassolas, Marsha Chechik, and Sebastián Uchitel. Exploring inconsistencies between modal transition systems. *Software and System Modeling*, 10(1):117–142, 2011. (SCIMAGO Q2 for Software).
- [A16] Dalal Alrajeh, Jeff Kramer, Alessandra Russo, and Sebastián Uchitel. Deriving non-zero behaviour models from goal models using ilp. *Formal Asp. Comput.*, 22(3-4):217–241, 2010. (SCIMAGO Q2 for Software).
- [A17] Howard Foster, Sebastián Uchitel, Jeff Magee, and Jeff Kramer. An integrated workbench for model-based engineering of service compositions. *IEEE T. Services Computing*, 3(2):131–144, 2010. (SCIMAGO Q1 for Software).
- * [A18] Sebastián Uchitel, Greg Brunet, and Marsha Chechik. Synthesis of partial behavior models from properties and scenarios. *IEEE Trans. Software Eng.*, 35(3):384–406, 2009. (SCIMAGO Q1 for Software).
- [A19] Dalal Alrajeh, Oliver Ray, Alessandra Russo, and Sebastián Uchitel. Using abduction and induction for operational requirements elaboration. *J. Applied Logic*, 7(3):275–288, 2009. (SCIMAGO Q3 for Logic).
- [A20] Emmanuel Letier, Jeff Kramer, Jeff Magee, and Sebastián Uchitel. Deriving event-based transition systems from goal-oriented requirements models. *Autom. Softw. Eng.*, 15(2):175–206, 2008. (SCIMAGO Q1 for Software).
- [A21] Sebastián Uchitel, Robert Chatley, Jeff Kramer, and Jeff Magee. Goal and scenario validation: a fluent combination. *Requir. Eng.*, 11(2):123–137, 2006. (SCIMAGO Q2 for Software).
- * [A22] Sebastián Uchitel, Jeff Kramer, and Jeff Magee. Incremental elaboration of scenario-based specifications and behavior models using implied scenarios. *ACM Trans. Softw. Eng. Methodol.*, 13(1):37–85, 2004. (SCIMAGO Q1 for Software).
- * [A23] Sebastian Uchitel, Jeff Kramer, and Jeff Magee. Synthesis of behavioral models from scenarios. *IEEE Transactions Software Engineering*, 29(2):99–115, 2003. (SCIMAGO Q1 for Software).

Congresos

- [C1] Victor Braberman, Diego Garbervetsky, Javier Godoy, Sebastian Uchitel, Guido de Caso; Ignacio Perez, and Santiago Perez. Testing and validating end user programmed calculated fields. In *Foundations of Software Engineering, Industrial Track*, To appear. 2018.
- [C2] Daniel Ciolek, Victor Braberman, Nicolas D’Ippolito, and Sebastian Uchitel. Directed controller synthesis of discrete event systems: Taming composition with heuristics. In *Proceedings of the 355th IEEE Conference on Decision and Control*, CDC’16, 2016. (Scopus).
- [C3] Natalia Andrea Rodriguez, Victor Braberman, Nicolas D’Ippolito, and Sebastian Uchitel. Stochastic generalized reactivity (1) games. In *Proceedings of the 355th IEEE Conference on Decision and Control*, CDC’16, 2016. (Scopus).
- [C4] Leandro Nahabedian, Victor Braberman, Nicolas D’Ippolito, Shinichi Honiden, Jeff Kramer, Kenji Tei, and Sebastian Uchitel. Assured and correct dynamic update of controllers. In *11th International Symposium on Software Engineering for Adaptive and Self-Managing Systems, May 16-17, 2016, Austin, Texas*. ACM, 2016. **Best paper award**, (Scopus).
- [C5] Robin Dupuis, Kevin Colson, Lionel Montrieux, Zhenjiang Hu, Sebastian Uchitel, and Pierre-Yves Schobbens. Reusable self-adaptation through bidirectional programming. In *11th International Symposium on Software Engineering for Adaptive and Self-Managing Systems, May 16-17, 2016, Austin, Texas*. ACM, 2016. (Scopus).
- [C6] Shoham Ben-David, Marsha Chechik, and Sebastian Uchitel. Observational refinement and merge for disjunctive mtss. In *14th International Symposium on Automated Technology for Verification and Analysis*, 2016. (Scopus).
- * [C7] Dalal Alrajeh, Axel van Lamsweerde, Jeff Kramer, Alessandra Russo, and Sebastian Uchitel. Risk-driven revision of requirements models. In *Proceedings of the 38th International Conference on Software Engineering, ICSE ’16*, pages 855–865, New York, NY, USA, 2016. ACM. (Acceptance rate: 19%, Scopus).
- [C8] Ivo Krka, Nicolás D’Ippolito, Nenad Medvidovic, and Sebastián Uchitel. Revisiting compatibility of input-output modal transition systems. In Cliff B. Jones, Pekka Pihlajasaari, and Jun Sun, editors, *FM 2014: Formal Methods - 19th International Symposium, Singapore, May 12-16, 2014. Proceedings*, volume 8442 of *Lecture Notes in Computer Science*, pages 367–381. Springer, 2014. (Acceptance rate: 28%, Scopus).
- * [C9] Renzo Degiovanni, Dalal Alrajeh, Nazareno Aguirre, and Sebastián Uchitel. Automated goal operationalisation based on interpolation and SAT solving. In Pankaj Jalote, Lionel C. Briand, and André van der Hoek, editors, *36th International Conference on Software Engineering, ICSE ’14, Hyderabad, India - May 31 - June 07, 2014*, pages 129–139. ACM, 2014. (Acceptance rate: 20%, Scopus).
- * [C10] Nicolás D’Ippolito, Víctor A. Braberman, Jeff Kramer, Jeff Magee, Daniel Sykes, and Sebastián Uchitel. Hope for the best, prepare for the worst: multi-tier control for adaptive systems. In Pankaj Jalote, Lionel C. Briand, and André van der Hoek, editors, *36th International Conference on Software Engineering, ICSE ’14, Hyderabad, India - May 31 - June 07, 2014*, pages 688–699. ACM, 2014. (Acceptance rate: 20%, Scopus).
- [C11] Valerio Anacleto, Victor Braberman, Juan Echague, Guillermo Filia, Diego Garbervetsky, Maximiliano Gomez, Esteban Fernandez Rojo, and Sebastian Uchitel. Experiencias de i+d+i en productos avanzados para el analisis de software. In *8va*

Jornadas de Vinculación Universidad - Industria, Jornadas Argentinas de Informática (JAIIO), 2014.

- [C12] Nicolás D’Ippolito, Víctor A. Braberman, Nir Piterman, and Sebastián Uchitel. Controllability in partial and uncertain environments. In *14th International Conference on Application of Concurrency to System Design, ACSD 2014, Tunis La Marsa, Tunisia, June 23-27, 2014*, pages 52–61. IEEE, 2014. Scopus.
- [C13] Dalal Alrajeh, Rob Miller, Alessandra Russo, and Sebastián Uchitel. Reasoning about triggered scenarios in logic programming. *International Conference on Logic Programming (Also Theory and Practice of Logic Programming)*, 13(4-5-Online-Supplement), 2013.
- * [C14] Esteban Pavese, Víctor A. Braberman, and Sebastián Uchitel. Automated reliability estimation over partial systematic explorations. In David Notkin, Betty H. C. Cheng, and Klaus Pohl, editors, *ICSE*, pages 602–611. IEEE / ACM, 2013. (Acceptance rate: 18%, Scopus).
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