

Publications of Éric Tanter by year

Year 2009

1. Éric Tanter, Johan Fabry, Rémi Douence, Jacques Noyé, Mario Südholt. Expressive Scoping of Distributed Aspects. In *Proc. 8th International Conference on Aspect-Oriented Software Development (AOSD)*, pp. 27-38, Mar 2009. Charlottesville, Virginia, USA. ACM Press, New York, NY, USA. ISBN 978-1-60558-442.
2. Thomas Cleenewerck, Johan Fabry, Anne-Françoise Le Meur, Jacques Noyé, Éric Tanter, ed. *Proceedings of the 4th Workshop on Domain-Specific Aspect Languages (DSAL)*, Mar 2009. Charlottesville, Virginia, USA. ACM Press, New York, NY, USA. ISBN 978-1-60558-455-3.
3. Éric Tanter, Johan Fabry. Supporting Composition of Structural Aspects in an AOP Kernel. *Journal of Universal Computer Science (JUCS)* 15(3):620-647, Feb 2009. Graz University of Technology, Graz, Austria. ISSN 0948-695X.
4. Stijn Mostinckx, Tom Van Cutsem, Stijn Timbermont, Elisa Gonzalez Boix, Éric Tanter, Wolfgang De Meuter. Mirror-based Reflection in AmbientTalk. *Software: Practice and Experience* 39(7):661-699, May 2009. John Wiley & Sons, Hoboken, NJ, USA. ISSN 0038-0644.
5. Johan Fabry, Éric Tanter, Theo D'Hondt. Infrastructure for Domain-Specific Aspect Languages: The ReLAX Case Study. *IET Software* 3(3):238-254, Jun 2009. The Institution of Engineering and Technology, Stevenage, UK. ISSN 1751-8806.
6. Engineer Bainomugisha, Jorge Vallejos, Éric Tanter, Elisa Gonzalez Boix, Pascal Costanza, Wolfgang De Meuter, Theo D'Hondt. Resilient Actors: A Runtime Partitioning Model for Pervasive Computing Services. In *Proc. 6th ACM International Conference on Pervasive Services (ICPS)*, pp. 31-40, Jul 2009. London, UK. ACM Press, New York, NY, USA. ISBN 978-1-60558-644-1.
7. Dave Clarke, Pascal Costanza, Éric Tanter. Resilient Actors: A Runtime Partitioning Model for Pervasive Computing Services. In *Proc. International Workshop on Context-Oriented Programming (COP)*, pp. 1-6, Jul 2009. Genova, Italy. ACM Press, New York, NY, USA. ISBN 978-1-60558-538-3.
8. Guillaume Pothier, Éric Tanter. Back to the Future: Omniscient Debugging. *IEEE Software* 26(6):78-85, Nov 2009. IEEE Press, Piscataway, NJ, USA. ISSN 0740-7459.
9. Éric Tanter. Beyond Static and Dynamic Scope. In *Proc. 5th Dynamic Languages Symposium (DLS)*, pp. 3-14, Oct 2009. Orlando, Florida. ACM Press, New York, NY, USA. ISBN 978-1-60558-769-1.

Year 2010

1. Éric Tanter. Execution Levels for Aspect-Oriented Programming. In *Proc. 9th International Conference on Aspect-Oriented Software Development (AOSD)*, pp. 37-48, Mar 2010. Rennes

and Saint-Malo, France. ACM Press, New York, NY, USA. ISBN 978-1-60558-958-9. Best Paper Award.

2. Rodolfo Toledo, Paul Leger, Éric Tanter. AspectScript: Expressive Aspects for the Web. In *Proc. 9th International Conference on Aspect-Oriented Software Development (AOSD)*, pp. 13-24, Mar 2010. Rennes and Saint-Malo, France. ACM Press, New York, NY, USA. ISBN 978-1-60558-958-9.
3. Éric Tanter, Johan Fabry, Remi Douence, Jacques Noye, Mario Sudholt. Scoping Strategies for Distributed Aspects. *Science of Computer Programming (SCICO)* 75(12):1235-1261, Dec 2010. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423. <http://dx.doi.org/10.1016/j.scico.2010.>
4. Éric Tanter, Philippe Moret, Walter Binder, Danilo Ansaloni. Composition of Dynamic Analysis Aspects. In *Proc. 9th International Conference on Generative Programming and Component Engineering (GPCE)*, pp. 113-122, Oct 2010. Eindhoven, The Netherlands. ACM Press, New York, NY, USA. ISBN 978-1-4503-0154-1.
5. Jonathan Aldrich, Karl Naden, Éric Tanter. Modular Composition and State Update in Plaid. In *Proc. 4 Workshop on Mechanisms for Specialization, Generalization and Inheritance (MASPEGHI)*, pp. article 4, Jun 2010. Maribor, Slovenia. ACM Press, New York, NY, USA. ISBN 978-1-4503-0535-8.

Year 2011

1. Walter Binder, Philippe Moret, Danilo Ansaloni, Aibek Sarimbekov, Akira Yokokawa, Éric Tanter. Towards a Domain-Specific Aspect Language for Dynamic Program Analysis. In *Proc. 6th Workshop on Domain-Specific Aspect Languages (DSAL)*, pp. 9-11, Mar 2011. Porto do Galinhas, Brazil. ACM Press, New York, NY, USA.
2. Ismael Figueroa, Éric Tanter. A Semantics for Execution Levels with Exceptions. In *Proc. 10th Foundations of Aspect-Oriented Languages (FOAL)*, pp. 7-11, Mar 2011. Porto do Galinhas, Brazil. ACM Press, New York, NY, USA.
3. Philippe Moret, Walter Binder, Éric Tanter. Polymorphic Bytecode Instrumentation. In *Proc. 10th International Conference on Aspect-Oriented Software Development (AOSD)*, pp. 129-140, Mar 2011. Porto do Galinhas, Brazil. ACM Press, New York, NY, USA.
4. Christophe Scholliers, Dries Harnie, Éric Tanter, Wolfgang De Meuter, Theo D'Hondt. Ambient Contracts: Verifying and Enforcing Ambient Object Compositions a la Carte. *Personal and Ubiquitous Computing* 15(4):341-351, Apr 2011. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1617-4909.
5. Grecia Galvez, Diego Cosmelli, Lino Cubillos, Paul Leger, Arturo Mena, Éric Tanter, Ximena Flores, Gina Luci, S Montoya, Jorge Soto Andrade. Estrategias Cognitivas para el Cálculo Mental. *Revista Latinoamericana de Investigación en Matemática Educativa* 14(1):9-40, Mar 2011. Comité Latinoamericano de Matemática Educativa, Mexico. ISSN 1665-2436.

6. Jonathan Aldrich, Ronald Garcia, Mark Hahnenberg, Manuel Mohr, Karl Naden, Darpan Saini, Sven Stork, Joshua Sunshine, Éric Tanter, Roger Wolff. Permission-based Programming Languages. In *Proc. 33rd ACM/IEEE International Conference on Software Engineering (ICSE)*, pp. 828-831, May 2011. ACM Press, New York, NY, USA. ISBN 978-1-4503-0445-0.
7. Oscar Callau, Romain Robbes, Éric Tanter, David Rothlisberger. How Developers use the Dynamic Features of Programming Languages: The Case of Smalltalk. In *Proc. 8th IEEE Working Conference on Mining Software Repositories (MSR)*, pp. 23-32, May 2011. Honolulu, Hawaii, USA. ACM Press, New York, NY, USA. Best Paper Award.
8. Roger Wolff, Ronald Garcia, Éric Tanter, Jonathan Aldrich. Gradual Typestate. In *Proc. European Conference on Object-Oriented Programming (ECOOP)*, pp. 459-483, Jul 2011. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 6813.
9. Guillaume Pothier, Éric Tanter. Summarized Trace Indexing and Querying for Scalable Back-in-Time Debugging. In *Proc. European Conference on Object-Oriented Programming (ECOOP)*, pp. 558-582, Jul 2011. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science vol. 6813.
10. Rodolfo Toledo, Éric Tanter. Access Control in JavaScript. *IEEE Software* 28(5):76-84, 2011. IEEE Press, Piscataway, NJ, USA. ISSN 0740-7459.
11. Milton Inostroza, Éric Tanter, Eric Bodden. Join Point Interfaces for Modular Reasoning in Aspect-Oriented Programs. In *Proc. 19th ACM SIGSOFT Symposium on Foundations of Software Engineering (FSE)*, pp. 508-511, Sep 2011. ACM Press, New York, NY, USA. ISBN 978-1-4503-0443-6. New Ideas Track.
12. Joshua Sunshine, Karl Naden, Sven Stork, Jonathan Aldrich, Éric Tanter. First-class State Change in Plaid. In *Proc. ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA)*, pp. 713-732, Oct 2011. ACM Press, New York, NY, USA. ISBN 978-1-4503-0940-0.

Year 2012

1. Rodolfo Toledo, Angel Núñez, Éric Tanter, Jacques Noyé. Aspectizing Java Access Control. *IEEE Transactions on Software Engineering (TSE)* 38(1):101-117, Jan 2012. IEEE Computer Society Press, Los Alamitos, CA, USA. ISSN 0098-5589.
2. Éric Tanter, Kevin Sullivan, ed. *Proceedings of the 11th International Conference on Aspect-Oriented Software Development (AOSD)*, Mar 2012. Potsdam, Germany. ACM Press, New York, NY, USA.
3. Éric Tanter, Nicolas Tabareau, Rémi Douence. Taming Aspects with Membranes. In *Proc. 11th Foundations of Aspect-Oriented Languages (FOAL)*, pp. 3-8, Mar 2012. Potsdam, Germany. ACM Press, New York, NY, USA.

4. Ismael Figueroa, Éric Tanter, Nicolas Tabareau. A Practical Monadic Aspect Weaver. In *Proc. 11th Foundations of Aspect-Oriented Languages (FOAL)*, pp. 21-26, Mar 2012. Potsdam, Germany. ACM Press, New York, NY, USA.
5. Paul Leger, Éric Tanter. A Self-Replication Algorithm to Flexibly Match Execution Traces. In *Proc. 11th Foundations of Aspect-Oriented Languages (FOAL)*, pp. 27-32, Mar 2012. Potsdam, Germany. ACM Press, New York, NY, USA.
6. Romain Robbes, David Roethlisberger, Éric Tanter. Extensions during Software Evolution: Do Objects Meet Their Promise?. In James Noble (ed.), *Proc. European Conference on Object-Oriented Programming (ECOOP)*, pp. 28-52, Jun 2012. Beijing, China. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
7. Sebastian Kleinschmager, Stefan Hanenberg, Romain Robbes, Éric Tanter, Andreas Stefk. Do Static Type Systems Improve the Maintainability of Software Systems? An Empirical Study. In *Proc. 20th IEEE International Conference on Program Comprehension (ICPC)*, pp. 153-162, Jun 2012. Passau, Germany. IEEE Computer Society Press, Los Alamitos, CA, USA. ISBN 978-1-4673-1216-5.
8. Clemens Mayer, Stefan Hanenberg, Romain Robbes, Éric Tanter, Andreas Stefk. An Empirical Study of the Influence of Static Type Systems on the Usability of Undocumented Software. In *Proc. ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA)*, pp. 683-702, Oct 2012. ACM Press, New York, NY, USA. ISBN 978-1-4503-1561-6.

Year 2013

1. Oscar Callau, Éric Tanter. Programming with Ghosts. *IEEE Software* 30(1):74-80, Jan 2013. IEEE Press, Piscataway, NJ, USA. ISSN 0740-7459.
2. Gary T. Leavens, Shigeru Chiba, Éric Tanter, ed. Transactions on Aspect-Oriented Software Development. *Transactions on Aspect-Oriented Software Development (TAOSD)* X, Jan 2013. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 0302-9743.
3. Rodolfo Toledo, Éric Tanter. Secure and Modular Access Control with Aspects. In *Proc. 12th International Conference on Aspect-Oriented Software Development (AOSD)*, pp. 157-170, Mar 2013. Fukuoka, Japan. ACM Press, New York, NY, USA.
4. Nicolas Tabareau, Ismael Figueroa, Éric Tanter. A Typed Monadic Embedding of Aspects. In *Proc. 12th International Conference on Aspect-Oriented Software Development (AOSD)*, pp. 171-184, Mar 2013. Fukuoka, Japan. ACM Press, New York, NY, USA.
5. Ismael Figueroa, Nicolas Tabareau, Éric Tanter. Taming Aspects with Monads and Membranes. In *Proc. 12th Foundations of Aspect-Oriented Languages (FOAL)*, pp. 1-6, Mar 2013. Fukuoka, Japan. ACM Press, New York, NY, USA.

6. Éric Tanter. Taming Aspects. In *Proc. 4th International Workshop on Variability and Composition (VariComp)*, pp. 19, Mar 2013. Fukuoka, Japan. ACM Press, New York, NY, USA.
7. Eric Bodden, Éric Tanter, Milton Inostroza. A Brief Tour of Join Point Interfaces. In *Proc. 12th International Conference on Aspect-Oriented Software Development (AOSD)*, pp. 19-22, Mar 2013. Fukuoka, Japan. ACM Press, New York, NY, USA. AOSD Companion.
8. Paul Leger, Éric Tanter, Rémi Douence. Modular and Flexible Causality Control on the Web. *Science of Computer Programming (SCICO)* 78(9):1538-1558, Sep 2013. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
9. Oscar Callau, Romain Robbes, Éric Tanter, David Roethlisberger. How (and Why) Developers Use the Dynamic Features of Programming Languages: the Case of Smalltalk. *Empirical Software Engineering (EMSE)* 18(6):1156-1194, Dec 2013. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1382-3256.
10. Esteban Allende, Johan Fabry, Éric Tanter. Cast Insertion Strategies for Gradually-Typed Objects. In *Proc. 9th Dynamic Languages Symposium (DLS)*, pp. 27-36, Oct 2013. Indianapolis, Indiana. ACM Press, New York, NY, USA.

Year 2014

1. Éric Tanter, Ismael Figueroa, Nicolas Tabareau. Execution Levels for Aspect-Oriented Programming: Design, Semantics, Implementations and Applications. *Science of Computer Programming (SCICO)* 80(1):311-342, Feb 2014. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
2. Christophe Scholliers, Éric Tanter, Wolfgang De Meuter. Parallel Actor Monitors: Disentangling Task-Level Parallelism from Data Partitioning in the Actor Model. *Science of Computer Programming (SCICO)* 80(1):52-64, Feb 2014. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
3. Eric Bodden, Éric Tanter, Milton Inostroza. Join Point Interfaces for Safe and Flexible Decoupling of Aspects. *ACM Transactions on Software Engineering and Methodology (TOSEM)* 23(1):1-41, Feb 2014. ACM Press, New York, NY, USA. ISSN 1049-331X.
4. Esteban Allende, Johan Fabry, Éric Tanter. Cast Insertion Strategies for Gradually-Typed Objects. *ACM SIGPLAN Notices (SIGPLAN)* 49(2):21-36, Feb 2014. ACM Press, New York, NY, USA. ISSN 0362-1340. (DLS 2013 article).
5. Ismael Figueroa, Nicolas Tabareau, Éric Tanter. Effective Aspects: A Typed Monadic Embedding of Pointcuts and Advice. *Transactions on Aspect-Oriented Software Development (TAOSD)* XI:145-192, Apr 2014. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 0302-9743. Lecture Notes in Computer Science, Volume 8400.

6. Shigeru Chiba, Éric Tanter, Eric Bodden, Shahar Mahoz, Jörg Kienzle, ed. Transactions on Aspect-Oriented Software Development. *Transactions on Aspect-Oriented Software Development (TAOSD)* XI, Apr 2014. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 0302-9743.
7. Nicolas Tabareau, Mario Sudholt, Éric Tanter. Aspectual Session Types. In *Proc. 13th International Conference on Modularity (Modularity)*, pp. 193-204, Apr 2014. Lugano, Switzerland. ACM Press, New York, NY, USA.
8. Ismael Figueroa, Tom Schrijvers, Nicolas Tabareau, Éric Tanter. Compositional Reasoning about Aspect Interference. In *Proc. 13th International Conference on Modularity (Modularity)*, pp. 133-144, Apr 2014. Lugano, Switzerland. ACM Press, New York, NY, USA.
9. Felipe Bañados, Ronald Garcia, Éric Tanter. A Theory of Gradual Effect Systems. In *Proc. 19th International Conference on Functional Programming (ICFP)*, pp. 283-295, Sep 2014. Gothenburg, Sweden. ACM Press, New York, NY, USA.
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11. Esteban Allende, Oscar Callau, Johan Fabry, Éric Tanter, Marcus Denker. Gradual Typing for Smalltalk. *Science of Computer Programming (SCICO)* 96(1):52-69, Dec 2014. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
12. Ronald Garcia, Éric Tanter, Roger Wolff, Jonathan Aldrich. Foundations of Typestate-Oriented Programming. *ACM Transactions on Programming Languages and Systems (TOPLAS)* 36(4):article 12, Oct 2014. ACM Press, New York, NY, USA. ISSN 0164-0925.
13. Esteban Allende, Johan Fabry, Ronald Garcia, Éric Tanter. Confined Gradual Typing. In *Proc. ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA)*, pp. 241-270, Oct 2014. Portland, OR, USA. ACM Press, New York, NY, USA.
14. Oscar Callau, Romain Robbes, Éric Tanter, David Roethlisberger, Alexandre Bergel. On the Use of Type Predicates in Object-Oriented Software: The Case of Smalltalk. In *Proc. 10th Dynamic Languages Symposium (DLS)*, pp. 135-146, Oct 2014. Portland, OR, USA. ACM Press, New York, NY, USA.
15. Ismael Figueroa, Nicolas Tabareau, Éric Tanter. Effect Capabilities for Haskell. In *Proc. 18th Brazilian Symposium on Programming Languages (SBLP)*, pp. 92-108, Oct 2014. Maceió, Brazil. Springer-Verlag, Berlin/Heidelberg, Germany.
16. Felipe Bañados, Ronald Garcia, Éric Tanter. A Theory of Gradual Effect Systems. *ACM SIGPLAN Notices (SIGPLAN)* 49(9):283-295, Sep 2014. ACM Press, New York, NY, USA. ISSN 0362-1340.

17. Esteban Allende, Johan Fabry, Ronald Garcia, Éric Tanter. Confined Gradual Typing. *ACM SIGPLAN Notices (SIGPLAN)* 49(10):251-270, Oct 2014. ACM Press, New York, NY, USA. ISSN 0362-1340.

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1. Christophe Scholliers, Éric Tanter, Wolfgang De Meuter. Computational Contracts. *Science of Computer Programming (SCICO)* 98(3):360-375, Feb 2015. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
2. Paul Leger, Éric Tanter, Hiroaki Fukuda. An Expressive Stateful Aspect Language. *Science of Computer Programming (SCICO)* 102(1):108-141, May 2015. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
3. Johan Fabry, Tom Dinkelaker, Jacques Noyé, Éric Tanter. A Taxonomy of Domain-Specific Aspect Languages. *ACM Computing Surveys (CSUR)* 47(3):article 40, Apr 2015. ACM Press, New York, NY, USA. ISSN 0360-0300. 44 pages.
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6. Meiyappan Nagappan, Romain Robbes, Yasutaka Kamei, Éric Tanter, Shane McIntosh, Audris Mockus, Ahmed E. Hassan. An Empirical Study of Goto in C Code from GitHub Repositories. In *Proc. 10th ACM SIGSOFT Symposium on Foundations of Software Engineering (FSE)*, pp. 404-414, Aug 2015. Bergamo, Italy. ACM Press, New York, NY, USA. ISBN 978-1-4503-3675-8.
7. Éric Tanter, Nicolas Tabareau. Gradual Certified Programming in Coq. In *Proc. 11th Dynamic Languages Symposium (DLS)*, pp. 26-40, Oct 2015. Pittsburg, USA. ACM Press, New York, NY, USA.
8. Matías Toro, Éric Tanter. Customizable Gradual Polymorphic Effects for Scala. In *Proc. 30th ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA)*, pp. 935-953, Oct 2015. Pittsburgh, PA, USA. ACM Press, New York, NY, USA.

Year 2016

1. Ronald Garcia, Alison Clark, Éric Tanter. Abstracting Gradual Typing. In *Proc. 43rd ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (POPL)*, pp. 429-

442, 2016. ACM Press, New York, NY, USA.

2. Ronald Garcia, Alison Clark, Éric Tanter. Abstracting Gradual Typing. *ACM SIGPLAN Notices (SIGPLAN)* 51(1):429-442, Jan 2016. ACM Press, New York, NY, USA. ISSN 0362-1340.
3. Ismael Figueroa, Nicolas Tabareau, Éric Tanter. Effect Capabilities for Haskell: Taming Effect Interference in Monadic Programming. *Science of Computer Programming (SCICO)* 119(1):3-30, Apr 2016. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
4. Pierre-Evariste Dagand, Nicolas Tabareau, Éric Tanter. Partial Type Equivalences for Verified Dependent Interoperability. In *Proc. 21st International Conference on Functional Programming (ICFP)*, pp. 298-310, Sep 2016. Nara, Japan. ACM Press, New York, NY, USA.
5. Felipe Bañados, Ronald Garcia, Éric Tanter. Gradual Type-and-Effect Systems. *Journal of Functional Programming* 26:e19, Sep 2016. Cambridge University Press, Cambridge, UK. ISSN 0956-7968.
6. Walter Binder, Philippe Moret, Éric Tanter, Danilo Ansaloni. Polymorphic Bytecode Instrumentation. *Software: Practice and Experience* 46(10):1351-1380, Oct 2016. John Wiley & Sons, Hoboken, NJ, USA. ISSN 0038-0644.

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1. Nicolás Lehmann, Éric Tanter. Gradual Refinement Types. In *Proc. 44th ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (POPL)*, pp. 775-788, 2017. Paris, France. ACM Press, New York, NY, USA.
2. Raimil Cruz, Tamara Rezk, Bernard Serpette, Éric Tanter. Type Abstraction for Relaxed Noninterference. In *Proc. 31st European Conference on Object-Oriented Programming (ECOOP)*, pp. 7:1-7:27, Jun 2017. Barcelona, Spain. Springer-Verlag, Berlin/Heidelberg, Germany. Lecture Notes in Computer Science.
3. Matías Toro, Éric Tanter. A Gradual Interpretation of Union Types. In Francesco Ranzato (ed.), *Proc. 24th Static Analysis Symposium (SAS)*, pp. 382-404, Aug 2017. New York City, NY, USA. Springer International Publishing AG, Gewerbestrasse 11, 6330 Cham, Switzerland. Lecture Notes in Computer Science vol. 10422. ISBN 978-3-319-66705-8.

Year 2018

1. Johannes Bader, Jonathan Aldrich, Éric Tanter. Gradual Program Verification. In Isil Dillig, Jens Palsberg (ed.), *Proc. 19th International Conference on Verification, Model Checking, and Abstract Interpretation (VMCAI)*, pp. 25-46, Jan 2018. Los Angeles, CA, USA. Springer International Publishing AG, Gewerbestrasse 11, 6330 Cham, Switzerland. LNCS vol. 10747. ISBN 978-3-319-73720-1.

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3. Nicolas Tabareau, Éric Tanter, Matthieu Sozeau. Equivalences for Free: Univalent Parametricity for Effective Transport. In *Proc. 23rd International Conference on Functional Programming (ICFP)*, pp. 92:1-92:29, Sep 2018. Saint Louis, MO, USA. ACM Press, New York, NY, USA.
4. Martin Bodin, Tomás Diaz, Éric Tanter. A Trustworthy Mechanized Formalization of R. In *Proc. 14th Dynamic Languages Symposium (DLS)*, pp. 13-24, Nov 2018. Boston, MA, USA. ACM Press, New York, NY, USA.
5. Niki Vazou, Éric Tanter, David Van Horn. Gradual Liquid Type Inference. In *Proc. 33rd ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA)*, pp. 132:1-132:25, Nov 2018. ACM Press, New York, NY, USA.
6. Matías Toro, Ronald Garcia, Éric Tanter. Type-Driven Gradual Security with References. *ACM Transactions on Programming Languages and Systems (TOPLAS)* 40(4):article 16, Nov 2018. ACM Press, New York, NY, USA. ISSN 0164-0925.

Year 2019

1. Matías Toro, Elizabeth Labrada, Éric Tanter. Gradual Parametricity, Revisited. In *Proc. 46th ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages (POPL)*, pp. 17:1-17:30, Jan 2019. Cascais, Portugal. ACM Press, New York, NY, USA.
2. Nicolas Tabareau, Éric Tanter. Chemical Foundations of Distributed Aspects. *Distributed Computing* 32(3):193-216, Jun 2019. Springer-Verlag, Berlin/Heidelberg, Germany. ISSN 1432-0452.
3. Pierre-Marie Pédro, Nicolas Tabareau, Hans Fehrmann, Éric Tanter. A Reasonably Exceptional Type Theory. In *Proc. 24th International Conference on Functional Programming (ICFP)*, pp. 108:1-108:29, Aug 2019. Berlin, Germany. ACM Press, New York, NY, USA.
4. Joseph Eremondi, Éric Tanter, Ronald Garcia. Approximate Normalization for Gradual Dependent Types. In *Proc. 24th International Conference on Functional Programming (ICFP)*, pp. 88:1-88:30, Aug 2019. Berlin, Germany. ACM Press, New York, NY, USA.
5. Kenji Maillard, Danel Ahman, Robert Atkey, Guido Martínez, Catalin Hritcu, Exequiel Rivas, Éric Tanter. Dijkstra Monads for All. In *Proc. 24th International Conference on Functional Programming (ICFP)*, pp. 104:1-104:29, Aug 2019. Berlin, Germany. ACM Press, New York, NY, USA.
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7. Raimil Cruz, Éric Tanter. Existential Types for Relaxed Noninterference. In *Proc. 17th Asian Symposium on Programming Languages and Systems (APLAS)*, pp. 73-92, Dec 2019. Bali, Indonesia. Springer International Publishing AG, Gewerbestrasse 11, 6330 Cham, Switzerland. LNCS vol. 11893.

Year 2020

1. Tomás Diaz, Federico Olmedo, Éric Tanter. A Mechanized Formalization of GraphQL. In *Proc. 9th ACM SIGPLAN International Conference on Certified Programs and Proofs (CPP)*, pp. 201-214, 2020. ACM Press, New York, NY, USA.
2. Carmine Abate, Roberto Blanco, Stefan Ciobaca, Deepak Garg, Catalin Hritcu, Marco Patrignani, Éric Tanter, Jeremy Thibault. Trace-Relating Compiler Correctness and Secure Compilation. In Peter Müller (ed.), *Proc. 29th European Symposium on Programming (ESOP)*, pp. 1-28, Apr 2020. Dublin, Ireland. Springer Nature Switzerland AG, Cham, Switzerland.
3. Matías Toro, Éric Tanter. Abstracting Gradual References. *Science of Computer Programming (SCICO)* 197:1-65, Oct 2020. Elsevier Science, Amsterdam, The Netherlands. ISSN 0167-6423.
4. Jenna Wise, Johannes Bader, Cameron Wong, Jonathan Aldrich, Éric Tanter, Joshua Sunshine. Gradual Verification of Recursive Heap Data Structures. In *Proc. 35th ACM International Conference on Object-Oriented Programming Systems, Languages, and Applications (OOPSLA)*, pp. 228:1-228:28, 2020. ACM Press, New York, NY, USA.

Year 2021

1. Nicolas Tabareau, Éric Tanter, Matthieu Sozeau. The Marriage of Univalence and Parametricity. *Journal of the ACM (JACM)* 68(1):5:1-5:44, Jan 2021. ACM Press, New York, NY, USA. ISSN 0004-5411.
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