

List of publications

Christian Kästner

April 30, 2012

Refereed Journal Articles

- ★ [1] Janet Feigenspan, Christian Kästner, Sven Apel, Jörg Liebig, Michael Schulze, Raimund Dachzelt, Maria Papendieck, Thomas Leich, and Gunter Saake. Do background colors improve program comprehension in the #ifdef hell? *Empirical Software Engineering*, 2012. to appear; accepted 12 Apr 2012.
- [2] Janet Feigenspan, Michael Schulze, Maria Papendieck, Christian Kästner, Raimund Dachzelt, Veit Köppen, Mathias Frisch, and Gunter Saake. Supporting program comprehension in large preprocessor-based software product lines. *IET Software*, 2012. to appear; accepted 11 Apr 2012.
- ★ [3] Sven Apel, Christian Kästner, and Christian Lengauer. Language-independent and automated software composition: The FeatureHouse experience. *IEEE Transactions on Software Engineering (TSE)*, 2012. to appear; submitted 21 Oct 2010, accepted 29 Nov 2011.
- [4] Mario Pukall, Christian Kästner, Walter Cazzola, Sebastian Götz, Alexander Grebhahn, Reimar Schröter, and Gunter Saake. JavAdaptor: Flexible runtime updates of Java applications. *Software: Practice and Experience*, 2012. online first.
- [5] Norbert Siegmund, Marko Rosenmüller, Martin Kuhlemann, Christian Kästner, Sven Apel, and Gunter Saake. SPL Conqueror: Toward optimization of non-functional properties in software product lines. *Software Quality Journal - Special issue on Quality Engineering for Software Product Lines*, 2011. online first.
- ★ [6] Christian Kästner, Sven Apel, Thomas Thüm, and Gunter Saake. Type checking annotation-based product lines. *ACM Transactions on Software Engineering and Methodology (TOSEM)*, 21(3), 2012. to appear; submitted 8 Jun 2010, accepted 4 Jan 2011.
- [7] Sven Apel, Sergiy Kolesnikov, Jörg Liebig, Christian Kästner, Martin Kuhlemann, and Thomas Leich. Access control in feature-oriented programming. *Science of Computer Programming (Special Issue on Feature-Oriented Software Development)*, 77(3):174–187, March 2012.

- ☆ [8] Sven Apel, Christian Lengauer, Bernhard Möller, and Christian Kästner. An algebraic foundation for automatic feature-based program synthesis. *Science of Computer Programming (SCP)*, 75(11):1022–1047, November 2010.
- ☆ [9] Sven Apel, Christian Kästner, Armin Größlinger, and Christian Lengauer. Type safety for feature-oriented product lines. *Automated Software Engineering – An International Journal*, 17(3):251–300, 2010.
- [10] Friedrich Steimann, Thomas Pawlitzki, Sven Apel, and Christian Kästner. Types and modularity for implicit invocation with implicit announcement. *ACM Transactions on Software Engineering and Methodology (TOSEM)*, 20(1):Article 1; 43 pages, 2010.
- [11] Sven Apel, Christian Kästner, Martin Kuhlemann, and Thomas Leich. Pointcuts, advice, refinements, and collaborations: Similarities, differences, and synergies. *Innovations in Systems and Software Engineering (ISSE) – A NASA Journal*, 3(3-4):281–289, December 2007.
- [12] Sven Apel, Christian Kästner, Thomas Leich, and Gunter Saake. Aspect refinement - unifying AOP and stepwise refinement. *Journal of Object Technology (JOT)*, 6(9):13–33, October 2007. Special Issue: TOOLS EUROPE 2007.

Refereed Conference Papers

- [13] Janet Feigenspan, Christian Kästner, Jörg Liebig, Sven Apel, and Stefan Hanenberg. Measuring programming experience. In *Proceedings of the 20th International Conference on Program Comprehension (ICPC)*, Los Alamitos, CA, 2012. IEEE Computer Society. accepted for publication; acceptance rate: 41 % (21/51).
- ☆ [14] Norbert Siegmund, Sergiy S. Kolesnikov, Christian Kästner, Sven Apel, Don Batory, Marko Rosenmüller, and Gunter Saake. Predicting performance via automated feature-interaction detection. In *Proceedings of the 34th International Conference on Software Engineering (ICSE)*, 2012. to appear; submitted 29 Sep 2011, accepted 26 Jan 2012, acceptance rate 21 % (87/408).
- [15] Sebastian Erdweg, Lennart C. L. Kats, Tillmann Rendel, Christian Kästner, Klaus Ostermann, and Eelco Visser. Growing a language environment with editor libraries. In *Proceedings of the 10th International Conference on Generative Programming and Component Engineering (GPCE)*, pages 167–176, New York, NY, October 2011. ACM Press. Acceptance rate: 31 % (18/58).
- ☆ [16] Christian Kästner, Paolo G. Giarrusso, Tillmann Rendel, Sebastian Erdweg, Klaus Ostermann, and Thorsten Berger. Variability-aware parsing in

the presence of lexical macros and conditional compilation. In *Proceedings of the 26th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA)*, pages 805–824, New York, NY, October 2011. ACM Press. Acceptance rate: 37% (61/166).

- [17] Sebastian Erdweg, Tillmann Rendel, Christian Kästner, and Klaus Ostermann. Sugarj: Library-based syntactic language extensibility. In *Proceedings of the 26th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA)*, pages 391–406, New York, NY, October 2011. ACM Press. Acceptance rate: 37% (61/166); **Distinguished Paper Award**.
- [18] Sven Apel, Jörg Liebig, Benjamin Brandl, Christian Lengauer, and Christian Kästner. Semistructured merge: Rethinking merge in revision control systems. In *Proceedings of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE)*, pages 190–200, New York, NY, September 2011. ACM Press. Acceptance rate: 17% (34/203).
- [19] Janet Feigenspan, Sven Apel, Jörg Liebig, and Christian Kästner. Exploring software measures to assess program comprehension. In *Proceedings of the 5th International Symposium on Empirical Software Engineering and Measurement (ESEM)*, pages 1–10, paper 3, Los Alamitos, CA, September 2011. IEEE Computer Society. Acceptance rate: 31% (33/105).
- [20] Thomas Thüm, Christian Kästner, Sebastian Erdweg, and Norbert Siegmund. Abstract features in feature modeling. In *Proceedings of the 15th International Software Product Line Conference (SPLC)*, pages 191–200, Los Alamitos, CA, August 2011. IEEE Computer Society. Acceptance rate 29% (20/69).
- [21] Norbert Siegmund, Marko Rosenmüller, Christian Kästner, Paolo G. Garrusso, Sven Apel, and Sergiy Kolesnikov. Scalable prediction of non-functional properties in software product lines. In *Proceedings of the 15th International Software Product Line Conference (SPLC)*, pages 160–169, Los Alamitos, CA, August 2011. IEEE Computer Society. Acceptance rate 29% (20/69); **Best Paper Award**.
- [22] Janet Feigenspan, Michael Schulze, Maria Papendieck, Christian Kästner, Raimund Dachsel, Veit Köppen, and Mathias Frisch. Using background colors to support program comprehension in software product lines. In *Proceedings of the 15th International Conference on Evaluation and Assessment in Software Engineering (EASE)*, pages 66–75. Institution of Engineering and Technology, 2011. Acceptance rate: 39% (20/51).
- ☆ [23] Jörg Liebig, Christian Kästner, and Sven Apel. Analyzing the discipline of preprocessor annotations in 30 million lines of C code. In *Proceedings of*

the 10th ACM International Conference on Aspect-Oriented Software Development (AOSD), pages 191–202. ACM Press, March 2011. Acceptance rate: 23 % (21/92).

- [24] Sven Apel, Wolfgang Scholz, Christian Lengauer, and Christian Kästner. Dependences and interactions in feature-oriented design. In *Proceedings of the 21st IEEE International Symposium on Software Reliability Engineering (ISSRE)*, pages 161–170, Los Alamitos, CA, November 2010. IEEE Computer Society. Acceptance rate: 31 % (40/130).
- [25] Sandro Schulze, Sven Apel, and Christian Kästner. Code clones in feature-oriented software product lines. In *Proceedings of the 9th International Conference on Generative Programming and Component Engineering (GPCE)*, pages 103–112, New York, NY, October 2010. ACM Press. Acceptance rate: 31 % (18/59).
- ★ [26] Jörg Liebig, Sven Apel, Christian Lengauer, Christian Kästner, and Michael Schulze. An analysis of the variability in forty preprocessor-based software product lines. In *Proceedings of the 32nd International Conference on Software Engineering (ICSE)*, pages 105–114, New York, NY, May 2010. ACM Press. Acceptance rate: 14 % (52/380).
- [27] Christian Kästner, Sven Apel, and Gunter Saake. Virtuelle Trennung von Belangen (Präprozessor 2.0). In *Software Engineering 2010 – Fachtagung des GI-Fachbereichs Softwaretechnik*, number P-159 in Lecture Notes in Informatics, pages 165–176, Bonn, Germany, February 2010. Gesellschaft für Informatik (GI). Acceptance rate: 36 % (17/47).
- ★ [28] Christian Kästner, Sven Apel, and Martin Kuhlemann. A model of refactoring physically and virtually separated features. In *Proceedings of the 8th International Conference on Generative Programming and Component Engineering (GPCE)*, pages 157–166, New York, NY, October 2009. ACM Press. Acceptance rate: 31 % (19/62).
- [29] Martin Kuhlemann, Don Batory, and Christian Kästner. Safe composition of non-monotonic features. In *Proceedings of the 8th International Conference on Generative Programming and Component Engineering (GPCE)*, pages 177–185, New York, NY, October 2009. ACM Press. Acceptance rate: 31 % (19/62).
- ★ [30] Christian Kästner, Sven Apel, Syed Saif ur Rahman, Marko Rosenmüller, Don Batory, and Gunter Saake. On the impact of the optional feature problem: Analysis and case studies. In *Proceedings of the 13th International Software Product Line Conference (SPLC)*, pages 181–190, Pittsburgh, PA, USA, August 2009. SEI. Acceptance rate: 36 % (30 / 83).
- [31] Sven Apel, Florian Janda, Salvador Trujillo, and Christian Kästner. Model superimposition in software product lines. In *Proceedings of the Second International Conference on Model Transformation (ICMT)*, volume 5563

of *Lecture Notes in Computer Science*, pages 4–19, Berlin/Heidelberg, June 2009. Springer-Verlag. Acceptance rate: 21 % (14 / 67).

- [32] Sven Apel, Christian Kästner, Armin Größlinger, and Christian Lengauer. Feature (de)composition in functional programming. In *Proceedings of the 8th International Conference on Software Composition (SC)*, volume 5634 of *Lecture Notes in Computer Science*, pages 9–26, Berlin/Heidelberg, July 2009. Springer-Verlag. Acceptance rate: 33 % (10 / 30).
- [33] Stefan Boxleitner, Sven Apel, and Christian Kästner. Language-independent quantification and weaving for feature composition. In *Proceedings of the 8th International Conference on Software Composition (SC)*, volume 5634 of *Lecture Notes in Computer Science*, pages 45–54, Berlin/Heidelberg, July 2009. Springer-Verlag. Short Paper; Acceptance rate: 33 % (10 / 30).
- ★ [34] Christian Kästner, Sven Apel, Salvador Trujillo, Martin Kuhlemann, and Don Batory. Guaranteeing syntactic correctness for all product line variants: A language-independent approach. In *Proceedings of the 47th International Conference Objects, Models, Components, Patterns (TOOLS EUROPE)*, volume 33 of *Lecture Notes in Business Information Processing*, pages 175–194, Berlin/Heidelberg, June 2009. Springer-Verlag. Acceptance rate: 28 % (19 / 67).
- [35] Marko Rosenmüller, Christian Kästner, Norbert Siegmund, Sagar Sunkle, Sven Apel, Thomas Leich, and Gunter Saake. Sql à la carte – toward tailor-made data management. In *Proceedings 13. GI-Fachtagung Datenbanksysteme für Business, Technologie und Web (BTW)*, volume P-144 of *Lecture Notes in Informatics*, pages 117–136, Bonn, Germany, March 2009. Gesellschaft für Informatik (GI).
- [36] Norbert Siegmund, Christian Kästner, Marko Rosenmüller, Florian Heidenreich, Sven Apel, and Gunter Saake. Bridging the gap between variability in client application and database schema. In *Proceedings 13. GI-Fachtagung Datenbanksysteme für Business, Technologie und Web (BTW)*, volume P-144 of *Lecture Notes in Informatics*, pages 297–306, Bonn, Germany, March 2009. Gesellschaft für Informatik (GI).
- [37] Sven Apel, Christian Kästner, and Christian Lengauer. Vergleich und Integration von Komposition und Annotation zur Implementierung von Produktlinien. In *Software Engineering 2009 – Fachtagung des GI-Fachbereichs Softwaretechnik*, volume P-143 of *Lecture Notes in Informatics*, pages 101–112, Bonn, Germany, March 2009. Gesellschaft für Informatik (GI).
- ★ [38] Thomas Thüm, Don Batory, and Christian Kästner. Reasoning about edits to feature models. In *Proceedings of the 31th International Conference on Software Engineering (ICSE)*, pages 254–264, Los Alamitos, CA, May 2009. IEEE Computer Society. Acceptance rate: 12 % (50/405).

- ★ [39] Sven Apel, Christian Kästner, and Christian Lengauer. FeatureHouse: Language-independent, automated software composition. In *Proceedings of the 31th International Conference on Software Engineering (ICSE)*, pages 221–231, Los Alamitos, CA, May 2009. IEEE Computer Society. Acceptance rate: 12 % (50/405).
- [40] Norbert Siegmund, Marko Rosenmüller, Martin Kuhlemann, Christian Kästner, and Gunter Saake. Measuring non-functional properties in software product lines for product derivation. In *Proceedings of the 15th Asia-Pacific Software Engineering Conference (APSEC)*, pages 187–194, Los Alamitos, CA, December 2008. IEEE Computer Society. Acceptance rate: 30 % (66/221).
- [41] Mario Pukall, Christian Kästner, and Gunter Saake. Towards unanticipated runtime adaptation of Java applications. In *Proceedings of the 15th Asia-Pacific Software Engineering Conference (APSEC)*, pages 85–92, Los Alamitos, CA, December 2008. IEEE Computer Society. Acceptance rate: 30 % (66/221).
- [42] Sven Apel, Christian Kästner, and Christian Lengauer. Feature Featherweight Java: A calculus for feature-oriented programming and stepwise refinement. In *Proceedings of the 7th International Conference on Generative Programming and Component Engineering (GPCE)*, pages 101–112, New York, NY, October 2008. ACM Press. Acceptance rate: 29 % (16/55).
- [43] Sven Apel, Christian Kästner, and Don Batory. Program refactoring using functional aspects. In *Proceedings of the 7th International Conference on Generative Programming and Component Engineering (GPCE)*, pages 161–170, New York, NY, October 2008. ACM Press. Acceptance rate: 29 % (16/55).
- [44] Chang Hwan Peter Kim, Christian Kästner, and Don Batory. On the modularity of feature interactions. In *Proceedings of the 7th International Conference on Generative Programming and Component Engineering (GPCE)*, pages 23–34, New York, NY, October 2008. ACM Press. Acceptance rate: 29 % (16/55).
- ★ [45] Christian Kästner and Sven Apel. Type-checking software product lines - a formal approach. In *Proceedings of the 23rd IEEE/ACM International Conference on Automated Software Engineering (ASE)*, pages 258–267, Los Alamitos, CA, September 2008. IEEE Computer Society. Acceptance rate: 12 % (30/280).
- [46] Sven Apel, Christian Lengauer, Bernhard Möller, and Christian Kästner. An algebra for features and feature composition. In *Proceedings of the 12th International Conference on Algebraic Methodology and Software Technology (AMAST)*, volume 5140 of *Lecture Notes in Computer Science*, pages 36–50, Berlin/Heidelberg, Germany, July 2008. Springer-Verlag. Acceptance rate: 47 % (27/58).

- ★ [47] Christian Kästner, Sven Apel, and Martin Kuhlemann. Granularity in software product lines. In *Proceedings of the 30th International Conference on Software Engineering (ICSE)*, pages 311–320, New York, NY, May 2008. ACM Press. Acceptance rate: 15 % (56/371).
- ★ [48] Christian Kästner, Sven Apel, and Don Batory. A case study implementing features using AspectJ. In *Proceedings of the 11th International Software Product Line Conference (SPLC)*, pages 223–232, Los Alamitos, CA, September 2007. IEEE Computer Society. Acceptance rate: 35 % (28/80).

Invited Papers

- [49] Christian Kästner. Virtual separation of concerns: Toward preprocessors 2.0. *it-Information Technology*, 54(1):42–46, 2012.
- [50] Christian Kästner. Virtuelle Trennung von Belangen. In *Ausgezeichnete Informatikdissertationen 2010*, volume D-11 of *Lecture Notes in Informatics*, pages 121–130. Gesellschaft für Informatik (GI), 2011. invited paper.
- ★ [51] Christian Kästner and Sven Apel. Virtual separation of concerns – a second chance for preprocessors. *Journal of Object Technology (JOT)*, 8(6):59–78, September 2009. Refereed Column.
- ★ [52] Sven Apel and Christian Kästner. An overview of feature-oriented software development. *Journal of Object Technology (JOT)*, 8(5):49–84, July/August 2009. Refereed Column.
- [53] Sven Apel, Christian Kästner, Martin Kuhlemann, and Thomas Leich. Modularität von Softwarebausteinen: Aspekte versus Merkmale. *iX Magazin für Professionelle Informationstechnik*, (10):116–122, October 2006.

Refereed Workshop Papers/Demonstrations/Posters

- [54] Sebastian Erdweg, Lennart C.L. Kats, Tillmann Rendel, Christian Kästner, Klaus Ostermann, and Eelco Visser. Library-based model-driven software development with SugarJ. In *Companion of the 26th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA)*, pages 17–18, New York, NY, 2011. ACM Press. Demonstration paper.
- [55] Sebastian Erdweg, Lennart C.L. Kats, Tillmann Rendel, Christian Kästner, Klaus Ostermann, and Eelco Visser. SugarJ: Library-based language extensibility. In *Companion of the 26th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA)*, pages 187–188, New York, NY, 2011. ACM Press. Poster.

- ★ [56] Christian Kästner, Sven Apel, and Klaus Ostermann. The road to feature modularity? In *Proceedings of the Third Workshop on Feature-Oriented Software Development (FOSD)*, pages 5:1–5:8, New York, NY, September 2011. ACM Press.
- [57] Janet Feigenspan, Maria Papendieck, Christian Kästner, Mathias Frisch, and Raimund Dachsel. FeatureCommander: Colorful #ifdef world. In *Proceedings of the 15th International Software Product Line Conference (SPLC), second volume (Demonstration)*, pages 48:1–48:2, New York, NY, September 2011. ACM Press.
- [58] Ateeq Khan, Christian Kästner, Veit Köppen, and Gunter Saake. Service variability patterns. In *Proceedings of the ER Workshop on Software Variability Management (Variability@ER)*, volume 6999 of *Lecture Notes in Computer Science*, pages 130–140, Berlin/Heidelberg, 2011. Springer-Verlag.
- [59] Michael Stengel, Janet Feigenspan, Mathias Frisch, Christian Kästner, Sven Apel, and Raimund Dachsel. View Infinity: A zoomable interface for feature-oriented software development. In *Proceedings of the 33rd International Conference on Software Engineering (ICSE)*, pages 1031–1033, New York, NY, 2011. ACM Press. Demonstration Track, Acceptance rate: 37% (22/60).
- [60] Mario Pukall, Alexander Grebhahn, Reimar Schröter, Christian Kästner, Walter Cazzola, and Sebastian Götz. JavaAdaptor: Unrestricted dynamic software updates for Java. In *Proceedings of the 33rd International Conference on Software Engineering (ICSE)*, pages 989–991, New York, NY, 2011. ACM Press. Demonstration Track, Acceptance rate: 37% (22/60).
- [61] Christian Kästner, Paolo G. Giarrusso, and Klaus Ostermann. Partial preprocessing C code for variability analysis. In *Proceedings of the Fifth International Workshop on Variability Modelling of Software-intensive Systems (VaMoS)*, pages 137–140, New York, NY, January 2011. ACM Press. Acceptance rate: 55% (21/38).
- [62] Andy Kenner, Christian Kästner, Steffen Haase, and Thomas Leich. TypeChef: Toward type checking #ifdef variability in C. In *Proceedings of the Second Workshop on Feature-Oriented Software Development (FOSD)*, pages 25–32, New York, NY, October 2010. ACM Press. Acceptance rate: 55% (11/20).
- [63] Sven Apel, Wolfgang Scholz, Christian Lengauer, and Christian Kästner. Language-independent reference checking in software product lines. In *Proceedings of the Second Workshop on Feature-Oriented Software Development (FOSD)*, pages 64–71, New York, NY, October 2010. ACM Press. Acceptance rate: 55% (11/20).

- [64] Janet Feigenspan, Christian Kästner, Mathias Frisch, Raimund Dachsel, and Sven Apel. Visual support for understanding product lines. In *Proceedings of the 18th International Conference on Program Comprehension (ICPC)*, pages 34–35, Los Alamitos, CA, 2010. IEEE Computer Society. Demonstration paper.
- [65] Sven Apel, Jörg Liebig, Christian Lengauer, Christian Kästner, and William R. Cook. Semistructured merge in revision control systems. In *Proceedings of the Fourth International Workshop on Variability Modelling of Software-intensive Systems (VaMoS)*, pages 13–20, Essen, Germany, January 2010. University of Duisburg-Essen.
- [66] Christian Kästner, Thomas Thüm, Gunter Saake, Janet Feigenspan, Thomas Leich, Fabian Wielgorz, and Sven Apel. FeatureIDE: Tool framework for feature-oriented software development. In *Proceedings of the 31th International Conference on Software Engineering (ICSE)*, pages 611–614, Los Alamitos, CA, May 2009. IEEE Computer Society. Formal Demonstration paper, Acceptance rate: 33% (24/72).
- [67] Janet Feigenspan, Christian Kästner, Sven Apel, and Thomas Leich. How to compare program comprehension in fofd empirically – an experience report. In *Proceedings of the First Workshop on Feature-Oriented Software Development (FOSD)*, pages 55–62, New York, NY, October 2009. ACM Press.
- [68] Sven Apel, Jörg Liebig, Christian Kästner, Martin Kuhlemann, and Thomas Leich. An orthogonal access modifier model for feature-oriented programming. In *Proceedings of the First Workshop on Feature-Oriented Software Development (FOSD)*, pages 27–34, New York, NY, October 2009. ACM Press.
- [69] Christian Kästner and Sven Apel. Integrating compositional and annotative approaches for product line engineering. In *Proceedings of the GPCE Workshop on Modularization, Composition and Generative Techniques for Product Line Engineering (McGPLE)*, pages 35–40, Passau, Germany, October 2008. University of Passau.
- [70] Marko Rosenmüller, Norbert Siegmund, Syed Saif ur Rahman, and Christian Kästner. Modeling dependent software product lines. In *Proceedings of the GPCE Workshop on Modularization, Composition and Generative Techniques for Product Line Engineering (McGPLE)*, pages 13–18, Passau, Germany, October 2008. University of Passau.
- [71] Christian Kästner, Salvador Trujillo, and Sven Apel. Visualizing software product line variabilities in source code. In *Proceedings of the 2nd International SPLC Workshop on Visualisation in Software Product Line Engineering (ViSPLC)*, pages 303–313, September 2008.

- [72] Sven Apel, Christian Kaestner, and Christian Lengauer. Research challenges in the tension between features and services. In *Proc. ICSE Workshop on Systems Development in SOA Environments (SDSOA)*, pages 53–58, New York, NY, USA, May 2008. ACM Press.
- [73] Norbert Siegmund, Martin Kuhlemann, Marko Rosenmüller, Christian Kästner, and Gunter Saake. Integrated product line model for semi-automated product derivation using non-functional properties. In *Proceedings of the Second International Workshop on Variability Modelling of Software-intensive Systems (VaMoS)*, pages 25–23, Essen, Germany, January 2008. University of Duisburg-Essen.
- [74] Martin Kuhlemann and Christian Kästner. Reducing the complexity of AspectJ mechanisms for recurring extensions. In *Proc. GPCE Workshop on Aspect-Oriented Product Line Engineering (AOPLE)*, pages 14–19, 2007.
- [75] Salvador Trujillo, Christian Kästner, and Sven Apel. Product lines that supply other product lines: A service-oriented approach. In *Proceedings of the SPLC Workshop on Service-Oriented Architectures and Product Lines (SOAPL)*, pages 69–76, Pittsburgh, PA, USA, September 2007. SEI.
- [76] Christian Kästner, Martin Kuhlemann, and Don Batory. Automating feature-oriented refactoring of legacy applications. In *Proceedings of the ECOOP Workshop on Refactoring Tools (WRT)*, pages 62–63, Berlin, July 2007. TU Berlin.
- [77] Christian Kästner. CIDE: Decomposing legacy applications into features. In *Proceedings of the 11th International Software Product Line Conference (SPLC), second volume (Demonstration)*, pages 149–150, 2007.
- [78] Sven Apel, Christian Kästner, and Salvador Trujillo. On the necessity of empirical studies in the assessment of modularization mechanisms for cross-cutting concerns. In *Proc. ICSE Workshop on Assessment of Contemporary Modularization Techniques (ACoM)*, Washington, DC, May 2007. IEEE Computer Society.
- [79] Christian Kästner, Sven Apel, and Gunter Saake. Implementing bounded aspect quantification in AspectJ. In *Proc. ECOOP Workshop on Reflection, AOP, and Meta-Data for Software Evolution (RAM-SE)*, pages 111–122, Magdeburg, Germany, July 2006. University of Magdeburg.

Technical Reports

- [80] Christian Kästner, Klaus Ostermann, and Sebastian Erdweg. A variability-aware module system. Technical Report 01/2012, Department of Mathematics and Computer Science, Philipps University Marburg, April 2012.

- [81] Thomas Thüm, Sven Apel, Christian Kästner, Martin Kuhlemann, Ina Schaefer, and Gunter Saake. Analysis strategies for software product lines. Technical Report FIN-004-2012, School of Computer Science, University of Magdeburg, April 2012.
- [82] Christian Kästner, Alexander Dreiling, and Klaus Ostermann. Variability mining with LEADT. Technical Report 01/2011, Department of Mathematics and Computer Science, Philipps University Marburg, September 2011.
- [83] Martin Kuhlemann, Christian Kästner, Sven Apel, and Gunter Saake. An algebra for refactoring and feature-oriented programming. Technical Report FIN-006-2011, School of Computer Science, University of Magdeburg, 2011.
- [84] Mario Pukall, Christian Kästner, Sebastian Götz, Walter Cazzola, and Gunter Saake. Flexible runtime program adaptations in Java - a comparison. Technical Report 14, School of Computer Science, University of Magdeburg, November 2009.
- [85] Sven Apel, Christian Kästner, Armin Größlinger, and Christian Lengauer. Type-safe feature-oriented product lines. Technical Report MIP-0909, Department of Informatics and Mathematics, University of Passau, Germany, June 2009.
- [86] Christian Kästner, Sven Apel, and Martin Kuhlemann. LJ^{AR} : A model of refactoring physically and virtually separated features. Technical Report 08, School of Computer Science, University of Magdeburg, May 2009.
- [87] Sven Apel, Christian Kästner, Armin Größlinger, and Christian Lengauer. On feature orientation and functional programming. Technical Report MIP-0806, Department of Informatics and Mathematics, University of Passau, November 2008.
- [88] Sven Apel, Christian Kästner, and Christian Lengauer. An overview of feature featherweight java. Technical Report MIP-0802, Department of Informatics and Mathematics, University of Passau, Germany, April 2008.
- [89] Christian Kästner, Sven Apel, Salvador Trujillo, Martin Kuhlemann, and Don Batory. Language-independent safe decomposition of legacy applications into features. Technical Report 2, School of Computer Science, University of Magdeburg, March 2008.
- [90] Sven Apel, Christian Lengauer, Don Batory, Bernhard Möller, and Christian Kästner. An algebra for feature-oriented software development. Technical Report MIP-0706, Department of Informatics and Mathematics, University of Passau, 2007.
- [91] Sven Apel, Christian Kästner, Thomas Leich, and Gunter Saake. Aspect refinement. Technical Report 10, School of Computer Science, University of Magdeburg, August 2006.

Miscellaneous

- [92] Sven Apel, Florian Heidenreich, Christian Kästner, and Marko Rosenmüller. Third international workshop on feature-oriented software development (FOSD 2011). In *Proceedings of the 15th International Software Product Line Conference (SPLC)*, pages 337–338, Los Alamitos, CA, August 2011. IEEE Computer Society.
- [93] Sven Apel, Don Batory, Krzysztof Czarnecki, Florian Heidenreich, Christian Kästner, and Oscar Nierstrasz, editors. *Proceedings of the Second International Workshop on Feature-Oriented Software Development (FOSD), October 10, 2010, Eindhoven, The Netherlands*, New York, NY, October 2010. ACM Press.
- ★ [94] Christian Kästner. *Virtual Separation of Concerns: Toward Preprocessors 2.0*. PhD thesis, University of Magdeburg, May 2010. Logos Verlag Berlin, isbn 978-3-8325-2527-9.
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