



Publications List

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Abstract

- I have published 150+ peer-reviewed publications; see DBLP.
 - > 50 ‘important’ conference publications
 - > 25 ‘important’ journal publications
- My h-index is 41; see Google Scholar.
- Section 1 itemizes selected, recent publications (from 2020) to demonstrate some active topics.
- Section 2 itemizes publications from the past (2001-2019) while picking one paper per year.
- Examples of venues (conferences and journals) with strong citations (in alphabetical order) are these: AOSD, ECOOP, ESOP, ESE, FASE, FME, GTTSE, ICFP, ICPC, ICSE, IEEE Software, MODELS, PEPM, POPL, PPDP, SANER, SCAM, SCICO, SLE, SP&E, TOSEM, WCRE.

1 Selected, recent publications (2020 or accepted)

1. Marcel Heinz, Johannes Härtel, and Ralf Lämmel. Reproducible construction of interconnected technology models for EMF code generation. *J. Object Technol.*, 19(2):8:1–25, 2020
2. Juri Di Rocco, Davide Di Ruscio, Johannes Härtel, Ludovico Iovino, Ralf Lämmel, and Alfonso Pierantonio. Understanding MDE projects: megamodels to the rescue for architecture recovery. *Softw. Syst. Model.*, 19(2):401–423, 2020
3. Wardah Mahmood, Daniel Strüber, Thorsten Berger, Ralf Lämmel, and Mukelabai Mukelabai. Seamless variability management with the virtual platform. In *Proceedings of ICSE 2021 – To appear*, 2021. Accepted for publication
4. John Ahlgren, Maria Eugenia Berezin, Kinga Bojarczuk, Elena Dulskyte, Inna Dvortsova, Johann George, Natalija Gucevska, Mark Harman, Ralf Lämmel, Erik Meijer, Silvia Saporá, and Justin Spahr-Summers. WES: agent-based user interaction simulation on real infrastructure. In *ICSE '20: 42nd International Conference on Software Engineering, Workshops, Seoul, Republic of Korea, 27 June - 19 July, 2020*, pages 276–284. ACM, 2020
5. John Ahlgren, Maria Eugenia Berezin, Kinga Bojarczuk, Elena Dulskyte, Inna Dvortsova, Johann George, Natalija Gucevska, Mark Harman, Shan He, Ralf Lämmel, Erik Meijer, Silvia Saporá, and Justin Spahr-Summers. Ownership at large: Open problems and challenges in ownership management. In *ICPC '20: 28th International Conference on Program Comprehension, Seoul, Republic of Korea, July 13-15, 2020*, pages 406–410. ACM, 2020
6. Ralf Lämmel, Alvin Kerber, and Liane Praza. Understanding what software engineers are working on: The work-item prediction challenge. In *ICPC '20: 28th International Conference on Program Comprehension, Seoul, Republic of Korea, July 13-15, 2020*, pages 416–424. ACM, 2020
7. Johannes Härtel and Ralf Lämmel. Incremental map-reduce on repository history. In Kostas Kontogiannis, Foutse Khomh, Alexander Chatzigeorgiou, Marios-Eleftherios Fokaefs, and Minghui Zhou, editors, *27th IEEE International Conference on Software Analysis, Evolution and Reengineering, SANER 2020, London, ON, Canada, February 18-21, 2020*, pages 320–331. IEEE, 2020
8. Martin Leinberger, Philipp Seifer, Tjitze Rienstra, Ralf Lämmel, and Steffen Staab. Deciding SHACL shape containment through description logics reasoning. In Jeff Z. Pan, Valentina A. M. Tamma, Claudia d’Amato, Krzysztof Janowicz, Bo Fu, Axel Polleres, Oshani Seneviratne, and Lalana Kagal, editors, *The Semantic Web - ISWC 2020 - 19th International Semantic Web Conference, Athens, Greece, November 2-6, 2020, Proceedings, Part I*, volume 12506 of *Lecture Notes in Computer Science*, pages 366–383. Springer, 2020

2 Selected publications (one per year 2001–2019)

1. Marcel Heinz, Ralf Lämmel, and Mathieu Acher. Discovering indicators for classifying wikipedia articles in a domain - A case study on software languages. In Angelo Perkusich, editor, *The 31st International Conference on Software Engineering and Knowledge Engineering, SEKE 2019, Hotel Tivoli, Lisbon, Portugal, July 10-12, 2019*, pages 541–706. KSI Research Inc. and Knowledge Systems Institute Graduate School, 2019
2. Johannes Härtel, Hakan Aksu, and Ralf Lämmel. Classification of apis by hierarchical clustering. In Foutse Khomh, Chanchal K. Roy, and Janet Siegmund, editors, *Proceedings of the 26th Conference on Program Comprehension, ICPC 2018, Gothenburg, Sweden, May 27-28, 2018*, pages 233–243. ACM, 2018
3. Martin Leinberger, Ralf Lämmel, and Steffen Staab. The essence of functional programming on semantic data. In Hongseok Yang, editor, *Programming Languages and Systems - 26th European Symposium on Programming, ESOP 2017, Held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2017, Uppsala, Sweden, April 22-29, 2017, Proceedings*, volume 10201 of *Lecture Notes in Computer Science*, pages 750–776. Springer, 2017
4. Ralf Lämmel. Coupled software transformations revisited. In Tijs van der Storm, Emilie Balland, and Dániel Varró, editors, *Proceedings of the 2016 ACM SIGPLAN International Conference on Software Language Engineering, Amsterdam, The Netherlands, October 31 - November 1, 2016*, pages 239–252. ACM, 2016
5. Ralf Lämmel. Software chrestomathies. *Sci. Comput. Program.*, 97:98–104, 2015
6. Michal Antkiewicz, Wenbin Ji, Thorsten Berger, Krzysztof Czarnecki, Thomas Schmorleiz, Ralf Lämmel, Stefan Stanciulescu, Andrzej Wasowski, and Ina Schaefer. Flexible product line engineering with a virtual platform. In Pankaj Jalote, Lionel C. Briand, and André van der Hoek, editors, *36th International Conference on Software Engineering, ICSE '14, Companion Proceedings, Hyderabad, India, May 31 - June 07, 2014*, pages 532–535. ACM, 2014
7. Ralf Lämmel and Ekaterina Pek. Understanding privacy policies - A study in empirical analysis of language usage. *Empir. Softw. Eng.*, 18(2):310–374, 2013
8. Jean-Marie Favre, Ralf Lämmel, and Andrei Varanovich. Modeling the linguistic architecture of software products. In Robert B. France, Jürgen Kazmeier, Ruth Breu, and Colin Atkinson, editors, *Model Driven Engineering Languages and Systems - 15th International Conference, MODELS 2012, Innsbruck, Austria, September 30-October 5, 2012. Proceedings*, volume 7590 of *Lecture Notes in Computer Science*, pages 151–167. Springer, 2012
9. William R. Cook and Ralf Lämmel. Tutorial on online partial evaluation. In Olivier Danvy and Chung-chieh Shan, editors, *Proceedings IFIP Working Conference on Domain-Specific Languages, DSL 2011, Bordeaux, France, 6-8th September 2011*, volume 66 of *EPTCS*, pages 168–180, 2011
10. Davide Di Ruscio, Ralf Lämmel, and Alfonso Pierantonio. Automated co-evolution of GMF editor models. In Brian A. Malloy, Steffen Staab, and Mark van den Brand, editors, *Software Language Engineering - Third International Conference, SLE 2010, Eindhoven, The Netherlands, October 12-13, 2010, Revised Selected Papers*, volume 6563 of *Lecture Notes in Computer Science*, pages 143–162. Springer, 2010

11. Krzysztof Czarnecki, J. Nathan Foster, Zhenjiang Hu, Ralf Lämmel, Andy Schürr, and James F. Terwilliger. Bidirectional transformations: A cross-discipline perspective. In Richard F. Paige, editor, *Theory and Practice of Model Transformations - 2nd International Conference, ICMT@TOOLS 2009, Zurich, Switzerland, June 29-30, 2009. Proceedings*, volume 5563 of *Lecture Notes in Computer Science*, pages 260–283. Springer, 2009
12. Ralf Lämmel. Google’s mapreduce programming model - revisited. *Sci. Comput. Program.*, 70(1):1–30, 2008
13. Stefan Wehr, Ralf Lämmel, and Peter Thiemann. Javagi : Generalized interfaces for java. In Erik Ernst, editor, *ECOOP 2007 - Object-Oriented Programming, 21st European Conference, Berlin, Germany, July 30 - August 3, 2007, Proceedings*, volume 4609 of *Lecture Notes in Computer Science*, pages 347–372. Springer, 2007
14. Ralf Lämmel and Wolfram Schulte. Controllable combinatorial coverage in grammar-based testing. In M. Ümit Uyar, Ali Y. Duale, and Mariusz A. Fecko, editors, *Testing of Communicating Systems, 18th IFIP TC6/WG6.1 International Conference, TestCom 2006, New York, NY, USA, May 16-18, 2006, Proceedings*, volume 3964 of *Lecture Notes in Computer Science*, pages 19–38. Springer, 2006
15. Paul Klint, Ralf Lämmel, and Chris Verhoef. Toward an engineering discipline for grammarware. *ACM Trans. Softw. Eng. Methodol.*, 14(3):331–380, 2005
16. Ralf Lämmel and Simon L. Peyton Jones. Scrap more boilerplate: reflection, zips, and generalised casts. In Chris Okasaki and Kathleen Fisher, editors, *Proceedings of the Ninth ACM SIGPLAN International Conference on Functional Programming, ICFP 2004, Snow Bird, UT, USA, September 19-21, 2004*, pages 244–255. ACM, 2004
17. Ralf Lämmel and Simon L. Peyton Jones. Scrap your boilerplate: a practical design pattern for generic programming. In Zhong Shao and Peter Lee, editors, *Proceedings of TLDI’03: 2003 ACM SIGPLAN International Workshop on Types in Languages Design and Implementation, New Orleans, Louisiana, USA, January 18, 2003*, pages 26–37. ACM, 2003
18. Ralf Lämmel. A semantical approach to method-call interception. In Harold Ossher and Gregor Kiczales, editors, *Proceedings of the 1st International Conference on Aspect-Oriented Software Development, AOSD 2002, University of Twente, Enschede, The Netherlands, April 22-26, 2002*, pages 41–55. ACM, 2002
19. Ralf Lämmel and Chris Verhoef. Cracking the 500-language problem. *IEEE Softw.*, 18(6):78–88, 2001