

Curriculum Vitae

Personal details

Name	Jurgen Jordanus Vinju
Date of birth	May 17th, 1977
Nationality	Dutch
Address	<i>hidden</i>
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Email	Jurgen.Vinju@cwi.nl, j.j.vinju@tue.nl, jurgen@vinju.org
Language	Native Dutch, fluent English, advanced French

Education

2011–2012	Management in Onderzoeksorganisaties, Leeuwendaal
2005	PhD. computer science “Analysis and Transformation of Source Code by Parsing and Rewriting” Universiteit van Amsterdam
1995–1999	MSc. cum laude computer science, software engineering, Universiteit van Amsterdam

Employment

2014–Today	TU Eindhoven, Part-time full professor “Automated Software Analysis”
2012–Today	CWI, Group leader Software Analysis & Transformation (SWAT)
2014–Today	INRIA Lille Europe Nord, Team leader ATEAMS, France.
2008–2014	Universiteit van Amsterdam, lecturer Master Software Engineering
2007–2008	IBM TJ Watson Hawthorne, guest researcher (6 months), U.S.A.
2005-2008	Universiteit van Amsterdam, coordinator & lecturer Master Software Engineering
2006	Lucent Technologies, New Jersey, guest researcher (one month), U.S.A.
2005–2011	CWI, senior researcher
2000–2005	CWI, researcher, software engineering
2002	INRIA-LORIA, guest researcher (four months), France
1997–2000	Just Software, Netherlands, self-employed, educational and scientific software development

Funding

Principle investigator	NWO Hefboom	200k	2005
	INRIA ATEAMS 2014	35k	2014
	CWI Software Dev.	10k	2014
	NWO incidental	3k	2013
Co-applicant	NWO Vrije Competitie GrammarLab	380k	2010
	NWO Top Big Future for Small Programs	749k	2010
	EU FP7 OSSMETER	635k	2012
	NWO+ING public/private	512k	2014
	NWO Big Software & Philips Healthcare	432k	2016
	TU/e & OCÉ		2016
Scholarship Prize	IBM TJ Watson Internship	70k	2007
	IBM “Bravo” Award	250	2008

Teaching

I have taught and re-designed the course Software Evolution at UvA as part of the master software engineering (MSE), and co-designed and assisted Software Construction in the period 2006–2013. In 2006 and 2007 I was also responsible as coordinator of MSE, helping to optimize the curriculum, the intake, the grading and the development of academic skills throughout the program. In this period we also developed a part-time version of the program.

Especially the course Software Evolution has been shaped using my research output of the last years. The course is now given integrally also at Open Universiteit, and parts of it are used at TU Eindhoven.

The last few years the appreciation of students for the Software Evolution course that I lectured was consistent at *4.5 out of 5 points*, and as a result a steady stream of students applied with me for their master research projects (over 60 up to now).

Management & supervision

Since January 2012, I manage Software Analysis and Transformation group (SWAT, formerly known as SEN1). For most of the PhD students mentioned below, Prof. Dr. Paul Klint is the promotor and I am the co-promotor. The other PhD students in SWAT, not in this list, are supervised by senior group members.

Phd students	Bas Basten (2011), Anastasia Izmaylova (planned 2016), Michael Steindorfer (planned 2016), Davy Landman (planned 2015), Ali Afrozeh (planned 2016), Jouke Stoel (planned 2018)
Other group members	3 senior researchers, scientific programmer, 2 post-docs, 6 PhD students, 2 to 4 guest researchers, 4 to 10 interns.
Masters theses	Supervised 50 masters theses at Universiteit van Amsterdam.
Open source	The ASF+SDF Meta-Environment project (2006-2010) The Rascal project (2008– <i>Today</i>) The IMP project (2012– <i>Today</i>)
Projects	EU STREP “OSSMETER” (2013–2015), NWO projects

Software

Commercial	Educational software products (1997—2000)
Open-source	ASF+SDF Meta-Environment ¹ (2000-2010) Rascal — metaprogramming DSL ² (2009— <i>today</i>) Eclipse IDE meta tooling platform ³ (2007—2015) Syntax Definition Formalism (SDF2) (2000—2010) ATerm library (2000—2010) ELAN4 (2003—2004)

Especially Rascal and ASF+SDF Meta-Environment are long term projects of which the results have been transferred to other research groups and industry.

¹<http://www.meta-environment.org>

²<http://www.rascal-mpl.org>

³<http://www.eclipse.org/imp>

Professional activities

Steering committee chair	International Conference on Software Language Engineering (2015– <i>now</i>)
Steering committee member	IEEE Int. Conference on Source Code Analysis and Manipulation (2010–2016); International Conference on Software Language Engineering (2010– <i>now</i>); Philips Healthcare Software Modelling Steering Committee (2016– <i>now</i>)
Workshop selection chair	International Conference on Software Language Engineering & International Summer School of Generative and Transformational Techniques in Software Engineering (2011)
PC co-chair	CSMR/WCRE Tool Track (2014), SCAM 2010, LDTA (2008 and 2009), CSMR Doctoral Symposium 2012, WASDETT 2013, CSMR/WCRE Tool Track (2014), Parsing@SLE 2013, SCAM Engineering Track (2016)
General chair	IEEE International Working Conference on Source Code Analysis and Manipulation (2013), International Conference on Software Language Engineering (2014)
PC member	LDTA 2007, SLE (2008, 2009, 2010, 2011, 2012, 2013), SLE-DS (2010), SCAM (2009, 2011, 2014, 2016), Wasdett (2008,2009,2010, 2013), WAPL 2007, ACM SAC (2007,2008,2010-2013), GTTSE (2009), ICMT (2011), GPCE (2011), ESEC/FSE (2011), K (2011), LOPSTR (2011), SQM (2011), CC (2013), TTC (2013), WRT (2013), ICSM (2012), CSMR-WCRE ERA (2014), BENEVOL (2015), ESEC/FSE (2015), GEMOC (2015), GTTSE (2015), ICPC (2015), SANER (2016), DSLDI (2016)
Guest editor special issues	Language Descriptions Tools and Applications, SCP (2008,2009); Source Code Analysis and Manipulation, SCP (2010); The Future of Understanding Software, SCP (2013)
Reviews	ACM Transactions on Programming Languages and Systems (TOPLAS), IEEE Transactions on Software Engineering (TSE), Science of Computer Programming (SCP), Computer Languages, Systems and Structures (COMLAN), Software Practice & Experience (SP&E), ACM Transactions on Software Engineering and Methodology (TOSEM), Journal on Empirical Software Engineering (ESE), IEEE Software, Journal of Software Maintenance and Evolution (JSME), etc.
Working groups	Guest member of IFIP WG Program Generation (WG 2.11, 2011, 2013) Observer of IFIP WG Software Implementation Technology (WG 2.4, 2011–2013) Member of IFIP WG on Software Implementation Technology (WG 2.4, 2014– <i>now</i>) Dagstuhl “Transformations in Software Engineering” (2005) Dagstuhl “The Future of Refactoring” (2014)
Organizer	CWI Van Wijngaardenprijs (2012, 2016) ; CWI Lectures on Understanding Software (2012) ; CWI PEM meetings (2002-2005) ; Software Engineering in the Netherlands (SEN) (2014, 2016) ; Dagstuhl “Engineering Academic Software” (2016)
Speaker	IIIT-b, Bangalore, India (2013), EScience Center (2013), The Netherlands Bioinformatics Centre (2012), Sogyo Seminar (2012), NWO Special Interest Group on Software Engineering (2013), INRIA Lille Software Engineering Seminar (2012), Theoretical Computer Science Amsterdam Day (2011), Rascal Devnology Tutorial (2010), 5 Languages Summer School, Universiteit van Amsterdam (2010), Bits & Chips Software Conference (Eindhoven, 2014), CHAQ Event (Antwerpen, 2015)
Works Council Lecturer	CWI; Member (2010-2013), Chair (2013–2014) Software Evolution (master, UvA, (2006–2014); Software Construction (master,UvA, (2006–2014)
Guest lecturer	UvA Bachelor “Project Software Engineering” ; UvA Bachelor “Minor Programmeren” ; OU “Software Evolution” ; Namur “Software Evolution” ; TUE “ Software Evolution”
Management	Coordinator Master Software Engineering (2007-2008) Junior group leader CWI SEN1 (2010–2011) Group leader CWI SWAT (2012– <i>Today</i>) Team lead INRIA ATEAMS (2014–2015)

Research in the last 5 years

My research contributions over the last five years fall into two related categories: the first is software analysis and transformation technology, providing infra-structure for the second: empirical research in software engineering. I produced a number of open-source releases of software which are used in research, teaching and industry by others, namely: the ASF+SDF Meta-Environment [37], the Eclipse IDE Meta-tooling Platform (IMP) [29] and the Rascal language [27].

In analysis and transformation technology I've studied the feasibility and optimization of language parametric, modular, type-safe and integrated software analysis, refactoring and IDE generation:

- Generation of parsers from general context-free grammars [18, 28];
- Disambiguation methods for context-free grammars [17], and static detection [23] [45] and repair [22] of ambiguity in context-free grammars.
- Rapid construction of IDEs [29] [46] [2].
- Refactoring [27] [40] [3] [38]
- Static program and data analysis [25, 20, 19] [42, 41, 39] [57, 58]
- Dynamic analysis [44]

In empirical software engineering I started evaluating meta-programming first and then dived into empirical research questions on the use of object-oriented and dynamic programming languages:

- Do DSL tools matter, how and why? [43].
- Success factors in applying model driven engineering [24].
- Isolating the effect of design patterns using refactoring, and measuring maintenance effort via “Maintenance Complexity” [21].
- Studying the quality of identifiers in code (a number of masters theses).
- An empirical study of PHP feature usage [16]
- Facts on Cyclometric Complexity for measuring understandability [18][1]
- Is domain knowledge recoverable from source code? [15].

Journal Publications

(authors ordered alphabetically)

- [1] Davy Landman, Alexander Serebrenik, Eric Bouwers, and Jurgen J. Vinju. Empirical analysis of the relationship between CC and SLOC in a large corpus of Java methods and C functions. *Journal of Software: Evolution and Process*, 2015.
- [2] Tijs van der Storm and J. J. Vinju. Towards multilingual programming environments. *Science of Computer Programming*, 2013.
- [3] Diego Ordonez Camacho, Kim Mens, M. G. J. van den Brand, and J. J. Vinju. Automated generation of program translation and verification tools using annotated grammars. *Science of Computer Programming*, 72(1):3–20, jan 2010.
- [4] M. G. J. van den Brand, P. E. Moreau, and J. J. Vinju. A generator of efficient strongly typed abstract syntax trees in Java. *IEE Proceedings - Software*, 2005.
- [5] M. G. J. van den Brand, P. Klint, and J. J. Vinju. Term Rewriting with Traversal Functions. *ACM Transactions on Software Engineering and Methodology (TOSEM)*, 12(2):152–190, 2003.

Conference Publications

- [6] Michael Steindorfer and Jurgen J. Vinju. Performance modeling of maximal sharing. In *7th ACM/SPEC International Conference on Performance Engineering (ICPE)*, 2016.
- [7] Harald Altinger, Yanja Dajsuren, Franz Wotawa, Jurgen Vinju, and Sebastian Siegl. On error-class distribution in automotive model-based software. In *IEEE International Conference on Software Analysis, Evolution, and Reengineering, SANER*, 2016.
- [8] Cleverton Hentz, Jurgen J. Vinju, and Anamaria Martins Moreira. Reducing the cost of grammar-based testing using pattern coverage. In *Testing Software and Systems - 27th IFIP WG 6.1 International Conference, ICTSS 2015, Sharjah and Dubai, United Arab Emirates, November 23-25, 2015, Proceedings*, pages 71–85, 2015.
- [9] Davide Di Ruscio, Dimitrios S. Kolovos, Ioannis Korkontzelos, Nicholas Matragkas, and Jurgen Vinju. Ossmeter: A software measurement platform for automatically analysing open source software projects. In *ESEC/FSE 2015 Tool Demonstrations Track*, 2015.
- [10] Bas Basten, Mark Hills, Paul Klint, Davy Landman, Ashim Shahi, Michael Steindorfer, and Jurgen Vinju. M^3 : a General Model for Code Analytics in Rascal. In *Proceedings of the first International Workshop on Software Analytics, SWAN*, 2015.
- [11] B. Almeida, S. Ananiadou, A. Bagnato, A. B. Barbero, J. Di Rocco, D. Di Ruscio, D. S. Kolovos, I. Korkontzelos, S. Hansen, P. Malo, N. Matragkas, R. F. Paige, and J. Vinju. Ossmeter: Automated measurement and analysis of open source software. In *Proceedings of the Projects Showcase at the Software Technologies: Applications and Foundations 2015 (STAF 2015)*, 2015.
- [12] Michael J. Steindorfer and Jurgen J. Vinju. Code specialization for memory efficient hash tries (short paper). In *Proceedings of the 2014 International Conference on Generative Programming: Concepts and Experiences, GPCE 2014*, pages 11–14. ACM, 2014.
- [13] Paul Klint Mark Hills and J.J. Vinju. Static, lightweight includes resolution for php. In *Proceedings of the international conference on automated software engineering (ASE)*, 2014.
- [14] Davy Landman, Alexander Serebrenik, and Jurgen Vinju. Empirical analysis of the relationship between CC and SLOC in a large corpus of Java methods. In *30th IEEE International Conference on Software Maintenance and Evolution, ICSME 2014*, 2014.
- [15] Paul Klint, Davy Landman, and J. J. Vinju. Exploring the limits of domain model recovery. In *29th IEEE International Conference on Software Maintenance (ICSM)*, 2013.

- [16] Mark Hills, Paul Klint, and J. J. Vinju. An empirical study of PHP feature usage: a static analysis perspective. In Mauro Pezzè and Mark Harman, editors, *ISSTA*, pages 325–335. ACM, 2013.
- [17] Ali Afroozeh, Mark van den Brand, Adrian Johnstone, Elizabeth Scott, and J. J. Vinju. Safe specification of operator precedence rules. In *International Conference on Software Language Engineering (SLE)*, LNCS. Springer, 2013.
- [18] J. J. Vinju and Michael W. Godfrey. What does control flow really look like? eyeballing the cyclomatic complexity metric. In *Ninth IEEE International Working Conference on Source Code Analysis and Manipulation (SCAM)*. IEEE Computer Society, 2012.
- [19] Mark Hills, Paul Klint, and J. J. Vinju. Meta-language support for type-safe access to external resources. In *International Conference on Software Language Engineering (SLE)*, Lecture Notes in Computer Science. Springer, 2012.
- [20] Mark Hills, Paul Klint, and J. J. Vinju. RLSRunner: Linking Rascal with K for program analysis. In *International Conference on Software Language Engineering (SLE)*, LNCS. Springer, 2011.
- [21] Mark Hills, Paul Klint, and J. J. Vinju. A case of Visitor versus Interpreter pattern. In *Proceedings of the 49th International Conference on Objects, Models, Components and Patterns*, TOOLS, 2011.
- [22] Bas Basten and J. J. Vinju. Parse forest diagnostics with Dr. Ambiguity. In *International Conference on Software Language Engineering (SLE)*, LNCS. Springer, 2011.
- [23] Bas Basten, Paul Klint, and J. J. Vinju. Ambiguity detection: Scaling to scannerless. In *International Conference on Software Language Engineering (SLE)*, LNCS. Springer, 2011.
- [24] Vincent Lussenburg, Tijs van der Storm, J. J. Vinju, and Jos Warmer. Mod4j: A qualitative case study of model-driven software development. In Dorina Petriu, Nicolas Rouquette, and Øystein Haugen, editors, *Model Driven Engineering Languages and Systems, 13th International Conference, MODELS 2010, Oslo, Norway, October 3-8, 2010. Proceedings*, Lecture Notes in Computer Science. Springer, 2010.
- [25] Paul Klint, Tijs van der Storm, and J. J. Vinju. EASY meta-programming with Rascal. leveraging the Extract-Analyze-SYnthesize paradigm for meta-programming. In *Proceedings of the 3rd International Summer School on Generative and Transformational Techniques in Software Engineering (GTTSE'09)*, LNCS. Springer, 2010.
- [26] Paul Klint, J. J. Vinju, and Tijs van der Storm. Language design for meta-programming in the software composition domain. In Alexandre Bergel and Johan Fabry, editors, *Software Composition, 8th International Conference, SC 2009, Zurich, Switzerland, July 2-3, 2009. Proceedings*, volume 5634 of *Lecture Notes in Computer Science*, pages 1–4. Springer, 2009.
- [27] Paul Klint, Tijs van der Storm, and J. J. Vinju. Rascal: A domain specific language for source code analysis and manipulation. In *Ninth IEEE International Working Conference on Source Code Analysis and Manipulation, SCAM 2009, Edmonton, Alberta, Canada, September 20-21, 2009*, pages 168–177. IEEE Computer Society, 2009.
- [28] Giorgios Economopoulos, Paul Klint, and J. J. Vinju. Faster scannerless GLR parsing. In Oege de Moor and Michael I. Schwartzbach, editors, *Compiler Construction, 18th International Conference, CC 2009, Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2009, York, UK, March 22-29, 2009. Proceedings*, volume 5501 of *Lecture Notes in Computer Science*, pages 126–141. Springer, 2009.
- [29] Philippe Charles, Robert M. Fuhrer, Stanley M. Sutton Jr., Evelyn Duesterwald, and J. J. Vinju. Accelerating the creation of customized, language-specific IDEs in eclipse. In Shail Arora and Gary T. Leavens, editors, *Proceedings of the 24th Annual ACM SIGPLAN Conference on Object-Oriented Programming, Systems, Languages, and Applications, OOPSLA 2009, October 25-29, 2009, Orlando, Florida, USA.*, pages 191–206, 2009.
- [30] M. G. J. van den Brand, M. Bruntink, G.R. Economopoulos, H.A. de Jong, P. Klint, T. Kooiker, T. van der Storm, and J. J. Vinju. Using The Meta-environment for Maintenance and Renovation. In *Proceedings of the Conference on Software Maintenance and Reengineering (CSMR'07)*. IEEE Computer Society Press, 2007.

- [31] M. G. J. van den Brand, A.T. Kooiker, J. J. Vinju, and N. P. Veerman. A Language Independent Framework for Context-sensitive Formatting. In *CSMR '06: Proceedings of the Conference on Software Maintenance and Reengineering*, pages 103–112, Washington, DC, USA, 2006. IEEE Computer Society Press.
- [32] J. J. Vinju. Type-driven automatic quotation of concrete object code in meta programs. In N. Guelfi and A. Savidis, editors, *Rapid Integration of Software Engineering techniques*, volume 3475 of *LNCS*, 2005.
- [33] M. G. J. van den Brand, A. T. Kooiker, N. P. Veerman, and J. J. Vinju. An industrial application of context-sensitive formatting. In *International Conference on Software Maintenance*, 2005.
- [34] M. Bravenboer, R. Vermaas, J. J. Vinju, and E. Visser. Generalized type-based disambiguation of meta programs with concrete object syntax. In *Generative Programming and Component Engineering (GPCE)*, 2005.
- [35] M. G. J. van den Brand, P. E. Moreau, and J. J. Vinju. Environments for Term Rewriting Engines for Free! In R. Nieuwenhuis, editor, *Proceedings of the 14th International Conference on Rewriting Techniques and Applications (RTA'03)*. Springer-Verlag, 2003.
- [36] Mark G.J van den Brand, J. Scheerder, J. J. Vinju, and E. Visser. Disambiguation Filters for Scannerless Generalized LR Parsers. In R. Nigel Horspool, editor, *Compiler Construction*, volume 2304 of *LNCS*, pages 143–158. Springer-Verlag, 2002.
- [37] Mark van den Brand, Arie van Deursen, Jan Heering, Hayco de Jong, Merijn de Jonge, Tobias Kuipers, Paul Klint, Leon Moonen, Pieter A. Olivier, Jeroen Scheerder, J. J. Vinju, Eelco Visser, and Joost Visser. The ASF+SDF Meta-Environment: a Component-Based Language Development Environment. In R. Wilhelm, editor, *CC'01*, volume 2027 of *LNCS*, pages 365–370. Springer-Verlag, 2001.

Workshop Publications

- [38] Maria Gouseti and Jurgen J. Vinju. Designing a concurrency aware refactoring framework. In *BENEVOL*, December 2015.
- [39] A. Izmaylova, P. Klint, A. Shahi, and J. J. Vinju. M3: An Open Model For Measuring Code Artifacts. In *BENEVOL*, number arXiv-1312.1188. Cornell University Library, December 2013.
- [40] Mark Hills, Paul Klint, and J. J. Vinju. Scripting a refactoring with Rascal and Eclipse. In *Proceedings of the Fifth Workshop on Refactoring Tools*, WRT '12, pages 40–49. ACM, 2012.
- [41] Mark Hills, Paul Klint, and J. J. Vinju. Program analysis scenarios in Rascal. In *9th International Workshop on Rewriting Logic and Its Applications (WRLA 2012)*, Lecture Notes in Computer Science. Springer, 2012. Invited Paper.
- [42] Jeroen van den Bos, Mark Hills, Paul Klint, Tijs van der Storm, and J. J. Vinju. Rascal: From algebraic specification to meta-programming. In Francisco Durán and Vlad Rusu, editors, *Proceedings Second International Workshop on Algebraic Methods in Model-based Software Engineering (AMMSE)*, volume 56 of *Electronic Proceedings in Theoretical Computer Science*, pages 15–32. Open Publishing Association, 2011.
- [43] Paul Klint, Tijs van der Storm, and J. J. Vinju. On the impact of DSL tools on the maintainability of language implementations. In *Proceedings of the tenth workshop on Language Descriptions Tools and Applications*, 2010.
- [44] Stijn de Gouw, Frank de Boer, and J. J. Vinju. Prototyping a tool environment for run-time assertion checking in JML with communication histories. In *12th Workshop on Formal Techniques for Java-like Programs*, 2010.
- [45] Bas Basten and J. J. Vinju. Faster ambiguity detection by grammar filtering. In Claus Brabrand and Pierre-Etienne Moreau, editors, *Proceedings of the tenth workshop on Language Descriptions Tools and Applications*, 2010.
- [46] Paul Klint, Taeke Kooiker, and J. J. Vinju. Language parametric module management for ides. *Electronic Notes in Theoretical Computer Science*, 203(2):3–19, 2008.

- [47] J. J. Vinju. Annotated parse trees for a language parametric ide. In *PLIDE*, November 2007.
- [48] J. J. Vinju. UPTR: a simple parse tree representation format. In *Software Transformation Systems Workshop*, October 2006.
- [49] Diego Ordonez Camacho, Kim Mens, M. G. J. van den Brand, and J. J. Vinju. Automated Derivation of Translators from Annotated Grammars. In *Language Descriptions Tools and Applications*, ENCTS, pages 121–137, 2006.
- [50] M. G. J. van den Brand, B. Cornelissen, P. A. Olivier, and J. J. Vinju. TIDE: a generic debugging framework. In J. Boyland and G. Hedin, editors, *Language Design Tools and Applications*, June 2005.
- [51] M. G. J. van den Brand and J. J. Vinju. Generation by transformation in ASF+SDF. In *GPCE Workshop on Software Transformation Systems (STS)*, 2004.
- [52] M. G. J. van den Brand, S. Klusener, L. Moonen, and J. J. Vinju. Generalized Parsing and Term Rewriting - Semantics Directed Disambiguation. In Barret Bryant and João Saraiva, editors, *Third Workshop on Language Descriptions Tools and Applications*, Electronic Notes in Theoretical Computer Science, 2003.
- [53] M. G. J. van den Brand, P. Klint, and J. J. Vinju. Term Rewriting with Type-safe Traversal Functions. In B. Gramlich and S. Lucas, editors, *Second International Workshop on Reduction Strategies in Rewriting and Programming (WRS 2002)*, volume 70 of *Electronic Notes in Theoretical Computer Science*. Elsevier Science Publishers, 2002.
- [54] M. G. J. van den Brand and J. J. Vinju. Rewriting with Layout. In Claude Kirchner and Nachum Dershowitz, editors, *Proceedings of RULE2000*, 2000.

Other Publications

- [55] Anthony Cleve and Jurgen J. Vinju. Software quality - introduction to the special theme. *ERCIM News*, 2014.
- [56] Magiel Bruntink and Jurgen J. Vinju. Looking towards a future where software is controlled by the public (and not the other way around). *ERCIM News*, 2014.
- [57] Mark Hills, Paul Klint, Tijs van der Storm, and J. J. Vinju. A one-stop-shop for software evolution tool construction. *ERCIM News*, 2012(88), 2012.
- [58] J. J. Vinju, M. A. Hills, P. Klint, A. van der Ploeg, A. Izmaylova, and T. van der Storm. The Rascal Meta-Programming Language - A Lab For Software Analysis, Transformation, Generation & Visualization. In *Proceedings of ICT.Open 2011*, 2011.
- [59] J. J. Vinju and J. R. Cordy. How to make a bridge between transformation and analysis technologies? In J. R. Cordy, R. Lämmel, and A. Winter, editors, *Transformation Techniques in Software Engineering*, number 05161 in Dagstuhl Seminar Proceedings. Internationales Begegnungs- und Forschungszentrum (IBFI), Schloss Dagstuhl, Germany, 2006.
- [60] J. J. Vinju. *Analysis and Transformation of Source Code by Parsing and Rewriting*. PhD thesis, Universiteit van Amsterdam, November 2005.
- [61] Paul Klint, Tijs van der Storm, and J. J. Vinju. Term rewriting meets aspect oriented programming. In Aart Middeldorp, Vincent van Oostrom, Femke van Raamsdonk, and Roel C. de Vrijer, editors, *Processes, Terms and Cycles: Steps on the Road to Infinity, Essays Dedicated to Jan Willem Klop, on the Occasion of His 60th Birthday*, volume 3838 of *Lecture Notes in Computer Science*. Springer, 2005.
- [62] J. J. Vinju. Optimizations of List Matching in the ASF+SDF compiler. Master's thesis, University of Amsterdam, September 1999.