Curriculum Vitae

Personal details

Name	Jurgen Jordanus Vinju
Date of birth	May 17th, 1977
Nationality	Dutch
Email	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", UvA
1995–1999	MSc. cum laude computer science, software engineering, UvA

Employment

2021–*Today*	Senior researcher CWI
2018–2021	Longterm illness and recovery CWI
2014–*Today*	TU Eindhoven, Part-time full professor "Automated Software Analysis"
2012–2018	CWI, Group leader Software Analysis & Transformation (SWAT)
2014–2016	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

Recent highlights

2021	"Breaking bad? Semantic versioning and impact of breaking changes in Maven Central" In journal of Empirical Software Engineering, 2021 with Lina Ochoa, Thomas Degueule and Jean-Remy Falleri. [55]
2021	"Path-sensitive atomic commit - local coordination avoidance for distributed transactions" in journal The Art, Science, and Engineering of Programming, with Tim Soethout and Tijs van der Storm. [54]
2020	"Bacatá: Notebooks for DSLs, almost for free" in journal The Art, Science, and Engineering of Programming, with Mauricio Verano and Tijs van der Storm. [57]
2019	IEEE SCAM Most-Influential Paper award "Rascal: a domain specific language for source code analysis and manipulation" [35, 16]
2017	Co-founder SWAT.engineering, CWI spin-off
2017	Contribution to "NPO1 Eén Vandaag: De Voorspelbare Mens 1: Wat is een algoritme?"
2017	H2020 proposals accepted "TYPHON" and "CROSSMINER"
2017	Contribution to "Hoe zwaar is licht, meer dan 100 dringende vragen aan de wetenschap"
2017	*IEEE Distinguished Paper Award* "Challenges for Static Analysis of Java Reflection – Literature Review and Empirical Study" in the IEEE/ACM International Conference on Software Engineering (ICSE), with Davy Landman and Alexander Serebrenik [20]
2016	*ACM Distinguished Paper Award* at the International Conference on Software Language Engineering (SLE), with Terence Par [62]
2016	*Best Paper Award* at the ACM International Conference on Performance Engineering (ICPE), with Michael Steindorfer [61]
2016	Co-founder VEReniging Software Engineering Nederland (VERSEN)

Funding

Principle Investigator	EU H2020 ICT-10 CROSSMINER	380k	2016
	NWO Big Software, Philips Healthcare	432k	2016
	ING begeleiding promotie	100k	2016
	INRIA ATEAMS 2014–2016	$3x35k = 105k$	2014
	CWI Software Dev.	10k	2014
	NWO incidental	3k	2013
	NWO Hefboom	200k	2005
Co-applicant	EU H2020 TYPHON	386k	2017
	TU/e & OCÉ public/private	450k	2016
	NWO+ING public/private	512k	2014
	EU FP7 OSSMETER	635k	2012
	NWO Vrije Competitie GrammarLab	380k	2010
	NWO Top Big Future for Small Programs	749k	2010
Prize	IBM "Bravo" Award	250	2008
Scholarship	IBM TJ Watson Internship	70k	2007

Teaching

Coordinator	UvA/HvA/VU Master Software Engineering (MSE)	2006–2007
Lecturer	UvA Software Constructor	2006–2013
	UvA Software Evolution	2006–2013
Guest	TUE Software Evolution	2014–2018
	UvA Software Evolution	2015–2018
	OU Software Evolution	2013

In 2006 and 2007 I was responsible as coordinator of the UvA/VU/HvA master software engineering, 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.

The last 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). The material for the same course was made available to Open Universiteit and has been in use since 2012.

Management & supervision

From january 2012 to February 2018 I managed Software Analysis and Transformation group (SWAT) at CWI and also its administrative reflection in INRIA Lille (ATEAMS) until its end in 2016. In February 2018 I was abruptly hospitalized and I recovered only three years later in Feb 2021. I'm currently not managing the SWAT group.

Phd students	Bas Basten (2011), Michael Steindorfer (2017), Davy Landman (2017), Anastasia Izmaylova (2018), Ali Afroozeh (2018), Jouke Stoel (planned 2021), Tim Soethout (planned 2021), Mauricio Verano (planned 2021), Lina Maria Ochoa Venegas (planned 2021), Rodin Aarssen (planned 2021)
Other group members (avg.)	3 senior researchers, scientific programmer, 2 post-docs, 8 PhD students, 2 to 4 guest researchers, 6 to 12 interns.
Masters theses	Supervised *60* masters theses at Universiteit van Amsterdam.
Open source	The ASF+SDF Meta-Environment project (2006-2010)
	The Rascal project (2008–*Today*)
	The IMP project (2012–*Today*)
Projects	EU STREP "OSSMETER" (2013–2015), EU H2020 "CROSSMINER" (2017–2020), several NWO projects, Two PPS projects with ING and one with OCE printing company

Software

Commercial	Educational software products (1997—2000)
Open-source	ASF+SDF Meta-Environment[1] (2000-2010)
	Rascal — metaprogramming DSL[2] (2009—*today*)
	Flybytes (JVM bytecode compiler/decompiler) (2019—*today*)
	Eclipse IDE meta tooling platform[3] (2007—2015)
	Syntax Definition Formalism (SDF2) (2000—2010)
	ATerm library (2000—2010)
	ELAN4 (2003—2004)

Professional activities

Management	Secretary (2017-2018), Treasurer (2019–*Today*) of VERengining Software Engineering Nederland (VERSEN) (2016–*Today*)
	Group leader CWI SWAT (2012–*Today*)
	Team lead INRIA ATEAMS (2014–2015)
	Junior group leader CWI SEN1 (2010–2011)
	Coordinator Master Software Engineering (2007-2008)
Co-Founder	Initiator of VERengining Software Engineering Nederland (VERSEN) (2016)
	SWAT.engineering, CWI spin-off company (2017)
Steering committee chair	International Conference on Software Language Engineering (2015–2018)
Steering committee member	IEEE Int. Conference on Source Code Analysis and Manipulation (2010–2016); International Conference on Software Language Engineering (2010–*now*); Philips Healthcare Software Modelling Steering Committee (2016–*now*)
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, 2017), 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), `<Programming>` 2016–2017, ISSTA (2017)
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.
Organizer	CWI Van Wijngaardenprijs (2012, 2016)
	CWI Lectures on Understanding Software (2012)
	CWI PEM meetings (2002-2005)
	Software Engineering in the Netherlands (SEN Symposium) (2014, 2016, 2017, 2018)
	Dagstuhl "Engineering Academic Software" (2016)
	Chairman CWI GLO (2017)
Works Council	CWI; Member (2010-2013), Chair (2013–2014)

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[1] http://www.meta-environment.org
[2] http://www.rascal-mpl.org
[3] http://www.eclipse.org/imp

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–*now*)
	Dagstuhl "Transformations in Software Engineering" (2005)
	Dagstuhl "The Future of Refactoring" (2014)
	Dagstuhl "Software Language Engineering Body of Knowledge (2017)
Lecturer	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" (2014–2017) ; UvA "Software Evolution" (2015–2017)
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, keynote, 2015), NWO Big Software Match-making event (keynote, 2015), EARMA Conference (2015, keynote), ICT.OPEN 2017 (day-chair)

(authors ordered alphabetically) e

Journal Publications

[1] Tim Soethout, Tijs van der Storm, and Jurgen J. Vinju. Path-sensitive atomic commit - local coordination avoidance for distributed transactions. *The Art, Science, and Engineering of Programming*, 5(1):3, 2021.

[2] L. Ochoa, T. Degueule, J-R. Falleri, and J. Vinju. Breaking bad? semantic versioning and impact of breaking changes in maven central. *Empirical Software Engineering*, 2021.

[3] Mauricio Verano Merino, Jurgen J. Vinju, and Tijs van der Storm. Bacatá: Notebooks for DSLs, almost for free. *The Art, Science, and Engineering of Programming*, 4(3):11, 2020.

[4] Rodin Aarssen, Jurgen J. Vinju, and Tijs van der Storm. Concrete syntax with black box parsers. *The Art, Science, and Engineering of Programming*, 3(3):15, 2019.

[5] Davy Landman, Alexander Serebrenik, Eric Bouwers, and Jurgen Vinju. Corrigendum to: Empirical analysis of the relationship between CC and SLOC in a large corpus of Java methods and C functions published on 9 december 2015. *Journal of Software: Evolution and Process*, 29(10), October 2017.

[6] 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*, 2016.

[7] 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.

[8] 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

[9] Jouke Stoel, Tijs van der Storm, and Jurgen Vinju. Modeling with mocking. In *2021 14th IEEE Conference on Software Testing, Verification and Validation (ICST)*, pages 59–70, 2021.

[10] Tim Soethout, Tijs van der Storm, and Jurgen J. Vinju. Contract-based return-value commutativity: Safely exploiting contract-based commutativity for faster serializable transactions. In *Proceedings of the 11th ACM SIGPLAN International Workshop on Programming Based on Actors, Agents, and Decentralized Control*, AGERE 2021. ACM, 2021.

[11] Mauricio Verano Merino, Tom Beckmann, Tijs van der Storm, Robert Hirschfeld, and Jurgen J. Vinju. Getting grammars into shape for block-based editors. In *Proceedings of the 14th ACM SIGPLAN International Conference on Software Language Engineering*, October 2021.

[12] Tim Soethout, Tijs van der Storm, and Jurgen J. Vinju. Automated validation of state-based client-centric isolation with tla+. In *Proceedings of ASYDE*, 2020.

[13] Jouke Stoel, Tijs van der Storm, and Jurgen J. Vinju. Allealle: Bounded relational model finding with unbounded data. In *Proceedings of the 2019 ACM SIGPLAN International Symposium on New Ideas, New Paradigms, and Reflections on Programming and Software*, Onward! 2019, pages 46–61. ACM, 2019.

[14] Tim Soethout, Tijs van der Storm, and Jurgen J. Vinju. Static local coordination avoidance for distributed objects. In *Proceedings of the 9th ACM SIGPLAN International Workshop on Programming Based on Actors, Agents, and Decentralized Control*, AGERE 2019, pages 21–30. ACM, 2019.

[15] Paul Klint, Tijs van der Storm, and Jurgen J. Vinju. Rascal, 10 years later. In *Proceedings of the International Working Conference on Source Code Analysis and Manipulation*, 2019.

[16] Paul Klint, Tijs van der Storm, and Jurgen J. Vinju. Rascal, 10 years later. In *19th International Working Conference on Source Code Analysis and Manipulation, SCAM 2019*, page 139. IEEE, 2019.

[17] Michael Steindorfer and Jurgen Vinju. To-many or to-one? All-in-one! Efficient purely functional multi-maps with type-heterogeneous hash-tries. In *Proceedings of the 39th ACM SIGPLAN Conference on Programming Language Design and Implementation, PLDI 2018*. ACM, 2018.

[18] Lina Ochoa, Thomas Degueule, and Jurgen J. Vinju. An empirical evaluation of OSGi dependencies best practices in the Eclipse IDE. In *Proceedings of the 15th International Conference on Mining Software Repositories (MSR)*. IEEE, 2018.

[19] Mauricio Verano Merino, Jurgen J. Vinju, and Tijs van der Storm. Bacatá: a language parametric notebook generator (tool demo). In *Proceedings of the 2018 International Conference on Software Language Engineering (SLE)*, 2018.

[20] Davy Landman, Alexander Serebrenik, and Jurgen J. Vinju. Challenges for static analysis of Java reflection – literature review and empirical study. In *Proceedings of IEEE International Conference on Software Engineering (ICSE 2017)*. IEEE, May 2017. Distinguished Paper Award.

[21] Michael J. Steindorfer and Jurgen J. Vinju. Towards a software product line of trie-based collections. In *Proceedings of the 2016 International Conference on Generative Programming: Concepts and Experiences*, GPCE 2016. ACM, 2016.

[22] Michael Steindorfer and Jurgen J. Vinju. Performance modeling of maximal sharing. In *7th ACM/SPEC International Conference on Performance Engineering (ICPE)*, 2016. Best Paper Award.

[23] Terence Parr and Jurgen J. Vinju. Towards a universal code formatter through machine learning. In *Proceedings of the 2016 International Conference on Software Language Engineering*, SLE 2016. ACM, 2016. Distinguished Paper Award.

[24] Joost Bosman, Jouke Stoel, Tijs van der Storm, and Jurgen J. Vinju. Solving the bank with Rebel - on the design of the rebel specification language and its application inside a bank. In *Proceedings of the Industry Track for Software Language Engineering (ITSLE)*. ACM DL, 2016.

[25] 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.

[26] Alice Allen, Cecilia Aragon, Christophe Becker, Jeffrey C. Carver, Andrei Chis, Benoit Combemale, Mike Croucher, Kevin Crowston, Daniel Garijo, Ashish Gehani, Carole Goble, Robert Haines, Robert Hirschfeld, James Howison, Kathryn Huff, Caroline Jay, Daniel S. Katz, Claude Kirchner, Kateryna Kuksenok, Ralf Lämmel, Oscar Nierstrasz, Matthew Turk, Rob van Nieuwpoort, Matthew Vaughn, and Jurgen Vinju. Lightning talk: "I solemnly pledge" — a manifesto for personal responsibility in the engineering of academic software. In *Proceedings of the Fourth Workshop on Sustainable Software for Science: Practice and Experiences (WSSSPE4)*, 2016.

[27] 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.

[28] 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.

[29] 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.

[30] 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.

[31] 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.

[32] 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.

[33] 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.

[34] 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.

[35] 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.

[36] 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.

[37] 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.

[38] 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.

[39] 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.

[40] 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.

[41] 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.

[42] 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.

[43] 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

[44] Mauricio Verano Merino, Jurgen J. Vinju, and Tijs van der Storm. Bacatá: a generic notebook generator for DSLs. In *Proceedings of the Workshop on Domain-Specific Language Design and Implementation*, 2017.

[45] 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.

[46] J. J. Vinju. Annotated parse trees for a language parametric ide. In *PLIDE*, November 2007.

[47] J. J. Vinju. UPTR: a simple parse tree representation format. In *Software Transformation Systems Workshop*, October 2006.

[48] 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.

[49] 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.

[50] 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.

[51] 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.

[52] 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.

[53] 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

[54] Tim Soethout, Tijs van der Storm, and Jurgen J. Vinju. Path-sensitive atomic commit - local coordination avoidance for distributed transactions. *The Art, Science, and Engineering of Programming*, 5(1):3, 2021.

[55] L. Ochoa, T. Degueule, J-R. Falleri, and J. Vinju. Breaking bad? semantic versioning and impact of breaking changes in maven central. *Empirical Software Engineering*, 2021.

[56] Jurgen J. Vinju. Zo zet de overheid verantwoord een corona-app op (interview). In *Automatiseringsgids*. AG Connect, April 2020.

[57] Mauricio Verano Merino, Jurgen J. Vinju, and Tijs van der Storm. Bacatá: Notebooks for DSLs, almost for free. *The Art, Science, and Engineering of Programming*, 4(3):11, 2020.

[58] Jurgen J. Vinju. Kan de biologie een rol spelen in het oplossen van de problemen die gepaard gaan met de groeiende complexiteit van onze software? In Beatrice de Graaf en Alexander Rinnooy Kan, editor, *Hoe zwaar is licht*, pages 311–313. Uitgeverij Balans, 2017.

[59] Jurgen J. Vinju. Making sense of source code (interview). In *Bits & Chips*. Techwatch, May 2016.

[60] Jurgen J. Vinju. Legacy is leuk en leerzaam (interview). In *Automatiseringsgids*. AG Connect, April 2016.

[61] Michael Steindorfer and Jurgen J. Vinju. Performance modeling of maximal sharing. In *7th ACM/SPEC International Conference on Performance Engineering (ICPE)*, 2016. Best Paper Award.

[62] Terence Parr and Jurgen J. Vinju. Towards a universal code formatter through machine learning. In *Proceedings of the 2016 International Conference on Software Language Engineering*, SLE 2016. ACM, 2016. Distinguished Paper Award.

[63] Anthony Cleve and Jurgen J. Vinju. Software quality - introduction to the special theme. *ERCIM News*, 2014.

[64] 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.

[65] 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.

[66] J. J. Vinju. *Analysis and Transformation of Source Code by Parsing and Rewriting*. PhD thesis, Universiteit van Amsterdam, November 2005.

[67] 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.

[68] J. J. Vinju. Optimizations of List Matching in the ASF+SDF compiler. Master's thesis, University of Amsterdam, September 1999.