

## References

- [1] L. Aceto, W.J. Fokkink, R.J. van Glabbeek & A. Ingólfssdóttir (1996): *Axiomatizing Prefix Iteration with Silent Steps*. *Information and Computation* 127(1), pp. 26–40, doi:10.1006/inco.1996.0047. Available at <http://theory.stanford.edu/~rvg/abstracts.html#37>.
- [2] L. Aceto, W.J. Fokkink, R.J. van Glabbeek & A. Ingólfssdóttir (2004): *Nested Semantics over Finite Trees are Equationally Hard*. *Information and Computation* 191(2), pp. 203–232, doi:10.1016/j.ic.2004.02.001. Available at <http://theory.stanford.edu/~rvg/abstracts.html#54>.
- [3] A. Aliseda, R.J. van Glabbeek & D. Westerståhl, editors (1998): *Computing Natural Language*. *CSLI Lecture Notes* 81, Center for the Study of Language and Information, Stanford University. Available at <http://theory.stanford.edu/~rvg/abstracts.html#39>.
- [4] R. Amjad, R.J. van Glabbeek & L. O’Connor (2024): *Definitive Set Semantics for LTL3*. *Archive of Formal Proofs*. Available at [https://www.isa-afp.org/entries/LTL3\\_Semantics.html](https://www.isa-afp.org/entries/LTL3_Semantics.html).
- [5] R. Amjad, R.J. van Glabbeek & L. O’Connor (2024): *Semantics for Linear-time Temporal Logic with Finite Observations*. In G. Caltais & C. Di Giusto, editors: Proceedings Combined 31st International Workshop on Expressiveness in Concurrency and 21st Workshop on Structural Operational Semantics, Calgary, Canada, 9th September 2024, *Electronic Proceedings in Theoretical Computer Science* 412, Open Publishing Association, pp. 35–50, doi:10.4204/EPTCS.412.4.
- [6] J.C.M. Baeten & R.J. van Glabbeek (1987): *Another look at abstraction in process algebra*. Report CS-R8701, CWI, Amsterdam. Available at <http://www.cse.unsw.edu.au/~rvg/pub/another.pdf>. Extended abstract in Th. Ottmann, editor: Proceedings 14<sup>th</sup> International Colloquium on Automata, Languages and Programming, ICALP ’87, Karlsruhe, Germany, July 1987, LNCS 267, Springer, 1987, pp. 84–94, doi: 10.1007/3-540-18088-5\_8.
- [7] J.C.M. Baeten & R.J. van Glabbeek (1987): *Another look at abstraction in process algebra (extended abstract)*. In Th. Ottmann, editor: Proceedings 14<sup>th</sup> International Colloquium on Automata, Languages and Programming, ICALP ’87, Karlsruhe, Germany, July 1987, LNCS 267, Springer, pp. 84–94, doi:10.1007/3-540-18088-5\_8. Available at <http://www.cse.unsw.edu.au/~rvg/pub/another-ea.pdf>.
- [8] J.C.M. Baeten & R.J. van Glabbeek (1987): *Merge and termination in process algebra*. In K.V. Nori, editor: Proceedings 7<sup>th</sup> Conference on Foundations of Software Technology and Theoretical Computer Science, Pune, India, December 1987, LNCS 287, Springer, pp. 153–172, doi:10.1007/3-540-18625-5\_49. Available at <http://theory.stanford.edu/~rvg/abstracts.html#4>.
- [9] J.C.M. Baeten & R.J. van Glabbeek (1989): *Abstraction and empty process in process algebra*. *Fundamenta Informaticae* XII, pp. 221–242. Available at <http://www.cse.unsw.edu.au/~rvg/pub/etaepsilon.pdf>.
- [10] R. Barry, R.J. van Glabbeek & P. Höfner (2020): *Formalising the Optimised Link State Routing Protocol*. In A. Fehnker & H. Garavel, editors: Proceedings of the 4th Workshop on Models

for *Formal Analysis of Real Systems*, Dublin, Ireland, April 26, 2020, *Electronic Proceedings in Theoretical Computer Science* 316, Open Publishing Association, pp. 40–71, doi:10.4204/EPTCS.316.3.

- [11] N. Bertrand, L. de Alfaro, R.J. van Glabbeek, C. Palamidessi & N. Yoshida (2021): *CONCUR Test-Of-Time Award 2021*. In S. Haddad & D. Varacca, editors: *Proceedings 32nd International Conference on Concurrency Theory, CONCUR’21, Leibniz International Proceedings in Informatics (LIPIcs)* 203, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, doi:10.4230/LIPIcs.CONCUR.2021.1.
- [12] B. Bloom, W.J. Fokkink & R.J. van Glabbeek (2000): *Precongruence Formats for Decorated Trace Preorders*. In: *Proceedings 15<sup>th</sup> Annual IEEE Symposium on Logic in Computer Science, LICS’00*, Santa Barbara, USA, June 2000, IEEE Computer Society Press, pp. 107–118, doi:10.1109/LICS.2000.855760. Available at <http://theory.stanford.edu/~rvg/abstracts.html#44>.
- [13] B. Bloom, W.J. Fokkink & R.J. van Glabbeek (2004): *Precongruence Formats for Decorated Trace Semantics*. *Transactions on Computational Logic* 5(1), pp. 26–78, doi:10.1145/963927.963929. Available at <http://theory.stanford.edu/~rvg/abstracts.html#48>.
- [14] T. Bourke, R.J. van Glabbeek & P. Höfner (2014): *A mechanized proof of loop freedom of the (untimed) AODV routing protocol*. In F. Cassez & J.-F. Raskin, editors: *Proceedings 12th International Symposium on Automated Technology for Verification and Analysis, ATVA’14*, Sydney, NSW Australia, November 2014, LNCS 8837, Springer, pp. 47–63, doi:10.1007/978-3-319-11936-6\_5. Available at <http://arxiv.org/abs/1505.05646>.
- [15] T. Bourke, R.J. van Glabbeek & P. Höfner (2014): *Showing Invariance Compositionally for a Process Algebra for Network Protocols*. In G. Klein & R. Gamboa, editors: *Proceedings 5th International Conference on Interactive Theorem Proving, ITP’14; held as part of the Vienna Summer of Logic, VSL’14*, Vienna, Austria, July 2014, LNCS 8558, Springer, pp. 144–159, doi:10.1007/978-3-319-08970-6\_10. Available at <http://arxiv.org/abs/1407.3519>.
- [16] T. Bourke, R.J. van Glabbeek & P. Höfner (2016): *Mechanizing a Process Algebra for Network Protocols*. *Journal of Automated Reasoning* 56(3), pp. 309–341, doi:10.1007/s10817-015-9358-9. Available at <http://arxiv.org/abs/1512.07304>.
- [17] E. Bres, R.J. van Glabbeek & P. Höfner (2016): *A Timed Process Algebra for Wireless Networks with an Application in Routing*. Technical Report 9145, NICTA. Available at <http://arxiv.org/abs/1606.03663>. Extended abstract in P. Thiemann, editor: *Programming Languages and Systems: Proceedings 25th European Symposium on Programming, ESOP’16; held as part of the European Joint Conferences on Theory and Practice of Software, ETAPS’16*, Eindhoven, The Netherlands, April 2016, LNCS 9632, Springer, 2016, pp. 95–122.
- [18] E. Bres, R.J. van Glabbeek & P. Höfner (2016): *A Timed Process Algebra for Wireless Networks with an Application in Routing (extended abstract)*. In P. Thiemann, editor: *Programming Languages and Systems: Proceedings 25th European Symposium on Programming, ESOP’16; held as part of the European Joint Conferences on Theory and Practice of Software, ETAPS’16*, Eindhoven, The Netherlands, April 2016, LNCS 9632, Springer, pp. 95–122, doi:10.1007/978-3-662-49498-1\_5.

- [19] N. Busi, R.J. van Glabbeek & R. Gorrieri (1994): *Axiomatising ST-bisimulation equivalence*. In E.-R. Olderog, editor: *Proceedings IFIP TC2 Working Conference on Programming Concepts, Methods and Calculi*, San Miniato, Italy, June 1994, IFIP Transactions A-56, North-Holland, pp. 169–188. Available at <http://theory.stanford.edu/~rvg/abstracts.html#29>.
- [20] T. Chen, W.J. Fokkink & R.J. van Glabbeek (2008): *On Finite Bases for Weak Semantics: Failures Versus Impossible Futures*. Available at <http://arxiv.org/abs/0810.4904>. Extended abstract in M. Nielsen, A. Kucera, P.B. Miltersen, C. Palamidessi, P. Tuma & F.D. Valencia, editors: *Proceedings 35th Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM)*, Špindlerův Mlýn, Czech Republic, January 24-30, 2009, LNCS 5404, Springer, pp. 167-180.
- [21] T. Chen, W.J. Fokkink & R.J. van Glabbeek (2008): *Ready to preorder: The case of weak process semantics*. *Information Processing Letters* 109(2), pp. 104–111, doi:10.1016/j.ip1.2008.09.003. Available at <http://theory.stanford.edu/~rvg/abstracts.html#80>.
- [22] T. Chen, W.J. Fokkink & R.J. van Glabbeek (2009): *On Finite Bases for Weak Semantics: Failures Versus Impossible Futures*. In M. Nielsen, A. Kucera, P.B. Miltersen, C. Palamidessi, P. Tuma & F.D. Valencia, editors: *Proceedings 35th Conference on Current Trends in Theory and Practice of Computer Science (SOFSEM)*, Špindlerův Mlýn, Czech Republic, January 24-30, 2009, LNCS 5404, Springer, pp. 167–180, doi:10.1007/978-3-540-95891-8\_18. Available at <http://theory.stanford.edu/~rvg/abstracts.html#81>.
- [23] T. Chen, W.J. Fokkink & R.J. van Glabbeek (2015): *On the Axiomatizability of Impossible Futures*. *Logical Methods in Computer Science* 11(3):17, doi:10.2168/LMCS-11(3:17)2015. Available at <http://arxiv.org/abs/1505.04985>.
- [24] I. Czaja, R.J. van Glabbeek & U. Goltz (1992): *Interleaving semantics and action refinement with atomic choice*. In G. Rozenberg, editor: *Advances in Petri Nets 1992*, LNCS 609, Springer, pp. 89–107, doi:10.1007/3-540-55610-9\_169. Available at <http://theory.stanford.edu/~rvg/abstracts.html#24>.
- [25] Y. Deng & R.J. van Glabbeek (2010): *Characterising Probabilistic Processes Logically*. Available at <http://arxiv.org/abs/1007.5188>. Extended abstract in C.G. Fermüller & A. Voronkov, editors: *Proceedings 17th International Conference on Logic for Programming, Artificial Intelligence and Reasoning (LPAR)*, Yogyakarta, Indonesia, October 2010, LNCS 6397, Springer, 2010, pp. 278-293.
- [26] Y. Deng & R.J. van Glabbeek (2010): *Characterising Probabilistic Processes Logically (extended abstract)*. In C.G. Fermüller & A. Voronkov, editors: *Proceedings 17th International Conference on Logic for Programming, Artificial Intelligence, and Reasoning (LPAR-17)*, Yogyakarta, Indonesia, October 10-15, 2010, LNCS 6397, Springer, pp. 278–293, doi:10.1007/978-3-642-16242-8\_20. Available at <http://theory.stanford.edu/~rvg/abstracts.html#86>.
- [27] Y. Deng, R.J. van Glabbeek, M. Hennessy & C.C. Morgan (2008): *Characterising Testing Preorders for Finite Probabilistic Processes*. *Logical Methods in Computer Science* 4(4):4, doi:10.2168/LMCS-4(4:4)2008. Available at <http://theory.stanford.edu/~rvg/abstracts.html#79>.

- [28] Y. Deng, R.J. van Glabbeek, M. Hennessy & C.C. Morgan (2009): *Testing Finitary Probabilistic Processes (extended abstract)*. In M. Bravetti & G. Zavattaro, editors: Proceedings 20th International Conference on *Concurrency Theory (CONCUR'09)*, Bologna, Italy, September 1-4, 2009, LNCS 5710, Springer, pp. 274–288, doi:10.1007/978-3-642-04081-8\_19. Available at <http://theory.stanford.edu/~rvlg/abstracts.html#83>.
- [29] Y. Deng, R.J. van Glabbeek, M. Hennessy & C.C. Morgan (2011): *Real-Reward Testing for Probabilistic Processes (extended abstract)*. In M. Massink & G. Norman, editors: Proceedings Ninth Workshop on *Quantitative Aspects of Programming Languages*, Saarbrücken, Germany, April 1-3, 2011, *Electronic Proceedings in Theoretical Computer Science* 57, Open Publishing Association, pp. 61–73, doi:10.4204/EPTCS.57.5.
- [30] Y. Deng, R.J. van Glabbeek, M. Hennessy & C.C. Morgan (2014): *Real-Reward Testing for Probabilistic Processes*. *Theoretical Computer Science* 538, pp. 16–36, doi:10.1016/j.tcs.2013.07.016. Available at <http://theory.stanford.edu/~rvlg/abstracts.html#99>.
- [31] Y. Deng, R.J. van Glabbeek, M. Hennessy, C.C. Morgan & C. Zhang (2007): *Characterising Testing Preorders for Finite Probabilistic Processes*. In: Proceedings 22nd Annual IEEE Symposium on *Logic in Computer Science, LICS'07*, Wroclaw, Poland, July 2007, IEEE Computer Society Press, pp. 313–322, doi:10.1109/LICS.2007.15. Available at <http://theory.stanford.edu/~rvlg/abstracts.html#71>.
- [32] Y. Deng, R.J. van Glabbeek, M. Hennessy, C.C. Morgan & C. Zhang (2007): *Remarks on Testing Probabilistic Processes*. In L. Cardelli, M. Fiore & G. Winskel, editors: *Computation, Meaning, and Logic: Articles dedicated to Gordon Plotkin*, *Electronic Notes in Theoretical Computer Science* 172, Elsevier, pp. 359–397, doi:10.1016/j.entcs.2007.02.013. Available at <http://theory.stanford.edu/~rvlg/abstracts.html#69>.
- [33] Y. Deng, R.J. van Glabbeek, C.C. Morgan & C. Zhang (2007): *Scalar Outcomes Suffice for Finitary Probabilistic Testing*. In R. De Nicola, editor: Proceedings 16th *European Symposium on Programming, ESOP'07*, Braga, Portugal, 24 March - 1 April, 2007, LNCS 4421, Springer, pp. 363–378, doi:10.1007/978-3-540-71316-6\_25. Available at <http://theory.stanford.edu/~rvlg/abstracts.html#70>.
- [34] V. Dyseryn, R.J. van Glabbeek & P. Höfner (2017): *Analysing Mutual Exclusion using Process Algebra with Signals*. In K. Peters & S. Tini, editors: Proceedings Combined 24th International Workshop on *Expressiveness in Concurrency* and 14th Workshop on *Structural Operational Semantics*, Berlin, Germany, 4th September 2017, *Electronic Proceedings in Theoretical Computer Science* 255, Open Publishing Association, pp. 18–34, doi:10.4204/EPTCS.255.2.
- [35] A. Fehnker, R.J. van Glabbeek, P. Höfner, A.K. McIver, M. Portmann & W.L. Tan (2011): *Modelling and Analysis of AODV in UPPAAL*. In: Proceedings 1st International Workshop on *Rigorous Protocol Engineering, WRiPE'11*. Available at <http://theory.stanford.edu/~rvlg/abstracts.html#91>.
- [36] A. Fehnker, R.J. van Glabbeek, P. Höfner, A.K. McIver, M. Portmann & W.L. Tan (2012): *Automated Analysis of AODV Using UPPAAL*. In C. Flanagan & B. König, editors: Proceedings 18th International Conference on *Tools and Algorithms for the Construction and Analysis of Systems, TACAS'12*; held as part of the *European Joint Conferences on Theory and Practice of*

Software, ETAPS'12, Tallinn, Estonia, March/April 2012, LNCS 7214, Springer, pp. 173–187, doi:10.1007/978-3-642-28756-5\_13. Available at <http://theory.stanford.edu/~rvg/abstracts.html#94>.

- [37] A. Fehnker, R.J. van Glabbeek, P. Höfner, A.K. McIver, M. Portmann & W.L. Tan (2012): *A Process Algebra for Wireless Mesh Networks*. In H. Seidl, editor: *Programming Languages and Systems: Proceedings 21st European Symposium on Programming, ESOP'12*; held as part of the *European Joint Conferences on Theory and Practice of Software, ETAPS'12*, Tallinn, Estonia, March/April 2012, LNCS 7211, Springer, pp. 295–315, doi:10.1007/978-3-642-28869-2\_15. Available at <http://theory.stanford.edu/~rvg/abstracts.html#93>.
- [38] A. Fehnker, R.J. van Glabbeek, P. Höfner, A.K. McIver, M. Portmann & W.L. Tan (2013): *A Process Algebra for Wireless Mesh Networks used for Modelling, Verifying and Analysing AODV*. Technical Report 5513, NICTA, Sydney, Australia. Available at <http://arxiv.org/abs/1312.7645>.
- [39] N. Fischer & R.J. van Glabbeek (2019): *Axiomatising Infinitary Probabilistic Weak Bisimilarity of Finite-State Behaviours*. *Journal of Logical and Algebraic Methods in Programming* 102, pp. 64–102, doi:10.1016/j.jlamp.2018.09.006. Available at <https://arxiv.org/abs/1810.07488>.
- [40] W.J. Fokkink & R.J. van Glabbeek (1996): *Ntyft/ntyxt rules reduce to ntree rules*. *Information and Computation* 126(1), pp. 1–10, doi:10.1006/inco.1996.0030. Available at <http://theory.stanford.edu/~rvg/abstracts.html#33>.
- [41] W.J. Fokkink & R.J. van Glabbeek (2016): *Divide and Congruence II: Delay and Weak Bisimilarity*. In: *Proceedings 31<sup>st</sup> Annual ACM/IEEE Symposium on Logic in Computer Science, LICS'16*, New York, NY, USA, July 2016, ACM, pp. 778–787, doi:10.1145/2933575.2933590. Available at <http://theory.stanford.edu/~rvg/abstracts.html#116>.
- [42] W.J. Fokkink & R.J. van Glabbeek (2017): *Divide and congruence II: From decomposition of modal formulas to preservation of delay and weak bisimilarity*. *Information and Computation* 257, pp. 79–113, doi:10.1016/j.ic.2017.10.003. Available at <http://arxiv.org/abs/1604.07530>.
- [43] W.J. Fokkink & R.J. van Glabbeek (2017): *Precongruence Formats with Lookahead through Modal Decomposition*. In V. Goranko & M. Dam, editors: *Proceedings 26th EACSL Annual Conference on Computer Science Logic, CSL'17, Leibniz International Proceedings in Informatics (LIPIcs) 82*, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, Dagstuhl, Germany, pp. 25:1–25:20, doi:10.4230/LIPIcs.CSL.2017.25. Available at <http://theory.stanford.edu/~rvg/abstracts.html#122>.
- [44] W.J. Fokkink & R.J. van Glabbeek (2019): *Preface*. In W.J. Fokkink & R.J. van Glabbeek, editors: *Proceedings 30th International Conference on Concurrency Theory (CONCUR 2019), Leibniz International Proceedings in Informatics (LIPIcs) 140*, Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik, Dagstuhl, Germany, pp. 0:i–0:xiv, doi:10.4230/LIPIcs.CONCUR.2019.0.
- [45] W.J. Fokkink & R.J. van Glabbeek, editors (2019): *Proceedings 30th International Conference on Concurrency Theory (CONCUR 2019), Leibniz International Proceedings in Informatics*

(LIPICs) 140, Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik, Dagstuhl, Germany. Available at <http://www.dagstuhl.de/dagpub/978-3-95977-121-4>.

- [46] W.J. Fokkink & R.J. van Glabbeek (2021): *Preface: Selected Papers of the 30th International Conference on Concurrency Theory (CONCUR 2019)*. *Logical Methods in Computer Science*. Available at <https://lmcs.episciences.org/volume/view/id/386>.
- [47] W.J. Fokkink & R.J. van Glabbeek, editors (2021): *Selected Papers of the 30th International Conference on Concurrency Theory (CONCUR 2019)*. Available at <https://lmcs.episciences.org/volume/view/id/386>.
- [48] W.J. Fokkink, R.J. van Glabbeek & B. Luttik (2017): *Divide and Congruence III: From Decomposition of Modal Formulas to Preservation of Stability and Divergence*. Technical Report, Data61, CSIRO. Available at <http://theory.stanford.edu/~rvg/abstracts.html#125>.
- [49] W.J. Fokkink, R.J. van Glabbeek & B. Luttik (2017): *Divide and Congruence III: Stability & Divergence*. In R. Meyer & U. Nestmann, editors: *Proceedings 28th International Conference on Concurrency Theory, CONCUR'17, Leibniz International Proceedings in Informatics (LIPICs) 85*, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, Dagstuhl, Germany, pp. 15:1–15:16, doi:10.4230/LIPICs.CONCUR.2017.15. Available at <http://theory.stanford.edu/~rvg/abstracts.html#124>.
- [50] W.J. Fokkink, R.J. van Glabbeek & B. Luttik (2019): *Divide and Congruence III: From Decomposition of Modal Formulas to Preservation of Stability and Divergence*. *Information and Computation* 268:104435, doi:10.1016/j.ic.2019.104435. Available at <https://arxiv.org/abs/1908.06550>.
- [51] W.J. Fokkink, R.J. van Glabbeek & P. de Wind (2003): *Compositionality of Hennessy-Milner Logic through Structural Operational Semantics*. In A. Lingas & B.J. Nilsson, editors: *Proceedings 14th International Symposium on Fundamentals of Computation Theory, FCT'03*, Malmö, Sweden, August 2003, LNCS 2751, Springer, Berlin / Heidelberg, pp. 412–422, doi:10.1007/978-3-540-45077-1\_38. Available at <http://theory.stanford.edu/~rvg/abstracts.html#51>.
- [52] W.J. Fokkink, R.J. van Glabbeek & P. de Wind (2006): *Compositionality of Hennessy-Milner Logic by Structural Operational Semantics*. *Theoretical Computer Science* 354(3), pp. 421–440, doi:10.1016/j.tcs.2005.11.035. Available at <http://theory.stanford.edu/~rvg/abstracts.html#61>.
- [53] W.J. Fokkink, R.J. van Glabbeek & P. de Wind (2006): *Divide and Congruence Applied to  $\eta$ -Bisimulation*. In P.D. Mosses & I. Ulidowski, editors: *Proceedings of the Second Workshop on Structural Operational Semantics, SOS'05*, Lisbon, Portugal, *Electronic Notes in Theoretical Computer Science* 156(1), Elsevier, pp. 97–113, doi:10.1016/j.entcs.2005.10.029. Available at <http://theory.stanford.edu/~rvg/abstracts.html#62>.
- [54] W.J. Fokkink, R.J. van Glabbeek & P. de Wind (2006): *Divide and Congruence: From Decomposition of Modalities to Preservation of Branching Bisimulation*. In F.S. de Boer, M.M. Bonsangue,

- S. Graf & W.-P. de Roever, editors: Revised Lectures Fourth International Symposium on *Formal Methods for Components and Objects*, FMCO '05, Amsterdam, The Netherlands, November 2005, LNCS 4111, Springer, pp. 195–218, doi:10.1007/11804192. Available at <http://theory.stanford.edu/~rvg/abstracts.html#64>.
- [55] W.J. Fokkink, R.J. van Glabbeek & P. de Wind (2012): *Divide and congruence: From decomposition of modal formulas to preservation of branching and  $\eta$ -bisimilarity*. *Information and Computation* 214, pp. 59–85, doi:10.1016/j.ic.2011.10.011. Available at <http://theory.stanford.edu/~rvg/abstracts.html#92>.
- [56] J. Gallagher, R.J. van Glabbeek & W. Serwe, editors (2018): Proceedings Third Workshop on *Models for Formal Analysis of Real Systems* and Sixth International Workshop on *Verification and Program Transformation*, Thessaloniki, Greece, 20th April 2018. *Electronic Proceedings in Theoretical Computer Science* 268, Open Publishing Association, doi:10.4204/EPTCS.268.
- [57] R.J. van Glabbeek (2023): *Reactive Bisimulation Semantics for a Process Algebra with Time-Outs*. *Acta Informatica* 60, pp. 11–57, doi:10.1007/s00236-022-00417-1.
- [58] R.J. van Glabbeek (1985): *Good Coverings*. Report nr. 3, Mathematical Institute, University of Leiden, The Netherlands. Available at <http://kilby.stanford.edu/~rvg/pub/good.pdf>.
- [59] R.J. van Glabbeek (1986): *Bounded nondeterminism and the approximation induction principle in process algebra*. Report CS-R8634, CWI, Amsterdam. Extended abstract in F.J. Brandenburg, G. Vidal-Naquet & M. Wirsing, editors: Proceedings *STACS 87*, 4<sup>th</sup> Annual Symposium on Theoretical Aspects of Computer Science, Passau, Germany, February 1987, LNCS 247, Springer, 1987, pp. 336–347, doi: 10.1007/BFb0039617.
- [60] R.J. van Glabbeek (1987): *Bounded nondeterminism and the approximation induction principle in process algebra (extended abstract)*. In F.J. Brandenburg, G. Vidal-Naquet & M. Wirsing, editors: Proceedings *STACS 87*, 4<sup>th</sup> Annual Symposium on Theoretical Aspects of Computer Science, Passau, Germany, February 1987, LNCS 247, Springer, pp. 336–347, doi:10.1007/BFb0039617.
- [61] R.J. van Glabbeek (1988): *De semantiek van eindige, sequentiële processen met interne acties*. Syllabus processemantieken, deel 2. Handwritten manuscript, in Dutch.
- [62] R.J. van Glabbeek (1988): *An operational non-interleaved process graph semantics of CCSP* (abstract). In E.-R. Olderog, U. Goltz & R.J. van Glabbeek, editors: *Combining Compositionality and Concurrency*, Summary of a GMD-Workshop, Königswinter, March 1988, Arbeitspapiere der GMD 320, Gesellschaft für Mathematik und Datenverarbeitung, Sankt Augustin, pp. 18–19.
- [63] R.J. van Glabbeek (1990): *Comparative Concurrency Semantics and Refinement of Actions*. Ph.D. thesis, Free University, Amsterdam. Introduction available at <http://theory.stanford.edu/~rvg/thesis.html>. Second edition available as *CWI tract* 109, CWI, Amsterdam 1996.
- [64] R.J. van Glabbeek (1990): *The Linear Time – Branching Time Spectrum*. Report CS-R9029, CWI, Amsterdam. Extended abstract in J.C.M. Baeten & J.W. Klop, editors: Proceedings *CONCUR '90, Theories of Concurrency: Unification and Extension*, Amsterdam, August 1990, LNCS 458, Springer, 1990, pp. 278–297, doi: 10.1007/BFb0039066.

- [65] R.J. van Glabbeek (1990): *The Linear Time – Branching Time Spectrum (extended abstract)*. In J.C.M. Baeten & J.W. Klop, editors: Proceedings *CONCUR '90, Theories of Concurrency: Unification and Extension*, Amsterdam, August 1990, LNCS 458, Springer, pp. 278–297, doi:10.1007/BFb0039066.
- [66] R.J. van Glabbeek (1990): *The refinement theorem for ST-bisimulation semantics*. In M. Broy & C.B. Jones, editors: Proceedings IFIP TC2 Working Conference on *Programming Concepts and Methods*, Sea of Gallilee, Israel, April 1990, North-Holland, pp. 27–52. Available at <http://kilby.stanford.edu/~rvg/pub/STbisimulation.pdf>.
- [67] R.J. van Glabbeek (1991): *Bisimulations for higher dimensional automata*. Email message, July 7, 1991. Available at <http://theory.stanford.edu/~rvg/hda>.
- [68] R.J. van Glabbeek (1993): *A complete axiomatization for branching bisimulation congruence of finite-state behaviours*. In A.M. Borzyszkowski & S. Sokołowski, editors: Proceedings 18<sup>th</sup> International Symposium on *Mathematical Foundations of Computer Science*, MFCS '93, Gdansk, Poland, August/September 1993, LNCS 711, Springer, pp. 473–484, doi:10.1007/3-540-57182-5\_39. Available at <http://theory.stanford.edu/~rvg/abstracts.html#25>.
- [69] R.J. van Glabbeek (1993): *Full Abstraction in Structural Operational Semantics (extended abstract)*. In M. Nivat, C. Rattray, T. Rus & G. Scollo, editors: Proceedings of the 3<sup>rd</sup> International Conference on *Algebraic Methodology and Software Technology*, AMAST'93, Twente, The Netherlands, June 1993, Workshops in Computing, Springer, pp. 75–82. Available at <http://theory.stanford.edu/~rvg/abstracts.html#28>.
- [70] R.J. van Glabbeek (1993): *The Linear Time – Branching Time Spectrum II; The semantics of sequential systems with silent moves (extended abstract)*. In E. Best, editor: Proceedings *CONCUR'93, 4<sup>th</sup> International Conference on Concurrency Theory*, Hildesheim, Germany, August 1993, LNCS 715, Springer, pp. 66–81, doi:10.1007/3-540-57208-2\_6.
- [71] R.J. van Glabbeek (1993): *The linear time – branching time spectrum II; the semantics of sequential systems with silent moves (preliminary version)*. Manuscript. Available at <http://theory.stanford.edu/~rvg/abstracts.html#26>. Extended abstract in E. Best, editor: Proceedings *CONCUR'93, 4<sup>th</sup> International Conference on Concurrency Theory*, Hildesheim, Germany, August 1993, LNCS 715, Springer, pp. 66–81, doi: 10.1007/3-540-57208-2\_6.
- [72] R.J. van Glabbeek (1994): *On the expressiveness of ACP (extended abstract)*. In A. Ponse, C. Verhoef & S.F.M. van Vlijmen, editors: Proceedings First Workshop on the *Algebra of Communicating Processes*, ACP'94, Utrecht, The Netherlands, May 1994, Workshops in Computing, Springer, pp. 188–217, doi:10.1007/978-1-4471-2120-6\_8. Available at <http://theory.stanford.edu/~rvg/abstracts.html#31>.
- [73] R.J. van Glabbeek (1994): *What is branching time semantics and why to use it?* In M. Nielsen, editor: *The Concurrency Column, Bulletin of the EATCS* 53, pp. 190–198. Available at <http://Theory.stanford.edu/~rvg/branching>. Also in G. Paun, G. Rozenberg & A. Salomaa, editors: *Current Trends in Theoretical Computer Science; Entering the 21st Century*, World Scientific, 2001, pp. 469-479.



- [74] R.J. van Glabbeek (1995): *Branching Bisimulation as a Tool in the Analysis of Weak Bisimulation*. Available at <http://theory.stanford.edu/~rvg/abstracts.html#36>.
- [75] R.J. van Glabbeek (1995): *The Meaning of Negative Premises in Transition System Specifications II*. Technical Report STAN-CS-TN-95-16, Stanford University. Available at <http://theory.stanford.edu/~rvg/abstracts.html#32>. Extended abstract in F. Meyer auf der Heide & B. Monien, editors: *Proceedings 23<sup>th</sup> International Colloquium on Automata, Languages and Programming, ICALP '96*, Paderborn, Germany, July 1996, LNCS 1099, Springer, pp. 502–513, doi: 10.1007/3-540-61440-0\_154.
- [76] R.J. van Glabbeek (1996): *Comparative Concurrency Semantics and Refinement of Actions*. CWI Tract 109, CWI, Amsterdam. Second edition of dissertation. Introduction available at <http://theory.stanford.edu/~rvg/thesis.html>.
- [77] R.J. van Glabbeek (1996): *History preserving process graphs*. Draft. Available at <http://theory.stanford.edu/~rvg/abstracts.html#hpgg>.
- [78] R.J. van Glabbeek (1996): *The Meaning of Negative Premises in Transition System Specifications II (extended abstract)*. In F. Meyer auf der Heide & B. Monien, editors: *Proceedings 23<sup>th</sup> International Colloquium on Automata, Languages and Programming, ICALP '96*, Paderborn, Germany, July 1996, LNCS 1099, Springer, pp. 502–513, doi:10.1007/3-540-61440-0\_154. Available at <http://theory.stanford.edu/~rvg/abstracts.html#32>.
- [79] R.J. van Glabbeek (1996): *Petri Nets, Configuration Structures, Propositional Theories and History Preserving Process Graphs* (abstract). In M. Droste, E.-R. Olderog, B. Steffen & G. Winskel, editors: *Semantics of Concurrent Systems—Foundations and Applications, Dagstuhl-Seminar-Report 144*, Internationales Begegnungs- und Forschungszentrum für Informatik Schloss Dagstuhl, Postfach 15 11 50, D-66041 Saarbrücken, Germany, pp. 14–15. Available at <http://theory.stanford.edu/~rvg/nets-structures-graphs>.
- [80] R.J. van Glabbeek (1997): *Axiomatizing Flat Iteration*. In A. Mazurkiewicz & J. Winkowski, editors: *Proceedings CONCUR '97, 8<sup>th</sup> International Conference on Concurrency Theory*, Warsaw, Poland, July 1997, LNCS 1243, Springer, pp. 228–242, doi:10.1007/3-540-63141-0\_16. Available at <http://theory.stanford.edu/~rvg/abstracts.html#38>.
- [81] R.J. van Glabbeek (1997): *Notes on the methodology of CCS and CSP*. *Theoretical Computer Science* 177(2), pp. 329–349, doi:10.1016/S0304-3975(96)00251-4. Available at <http://theory.stanford.edu/~rvg/abstracts.html#1>. Originally appeared as Report CS-R8624, CWI, Amsterdam, 1986.
- [82] R.J. van Glabbeek (1998): *On the Relative Expressiveness of Petri Nets, Event Structures and Process Algebras* (abstract). In H.-D. Ehrich, U. Goltz & J. Meseguer, editors: *Information Systems as Reactive Systems, Dagstuhl-Seminar-Report 200*, Internationales Begegnungs- und Forschungszentrum für Informatik Schloss Dagstuhl, Postfach 15 11 50, D-66041 Saarbrücken, Germany, p. 12. Available at <http://theory.stanford.edu/~rvg/nets-process-alg>.
- [83] R.J. van Glabbeek (1999): *Do we count from 0 or from 1? The ordinal use of cardinal expressions*. Position paper. Available at <http://kilby.stanford.edu/~rvg/ordinal.html>.

- [84] R.J. van Glabbeek (1999): *Petri Nets, Configuration Structures and Higher Dimensional Automata*. In J.C.M. Baeten & S. Mauw, editors: *Proceedings CONCUR '99, 10<sup>th</sup> International Conference on Concurrency Theory*, Eindhoven, The Netherlands, August 1999, LNCS 1664, Springer, pp. 21–27, doi:10.1007/3-540-48320-9\_3. Available at <http://theory.stanford.edu/~rvg/abstracts.html#42>.
- [85] R.J. van Glabbeek (1999): *The third millennium starts on January 1 of the year 2001*. Position paper. Available at <http://kilby.stanford.edu/~rvg/millennium.html>.
- [86] R.J. van Glabbeek (2001): *Decidability*, an introduction to decidability theory without invoking Church' thesis. Class handout. Available at <http://kilby.stanford.edu/~rvg/154/handouts/decidability.html>.
- [87] R.J. van Glabbeek (2001): *The Linear Time – Branching Time Spectrum I; The Semantics of Concrete, Sequential Processes*. In J.A. Bergstra, A. Ponse & S.A. Smolka, editors: *Handbook of Process Algebra*, chapter 1, Elsevier, pp. 3–99, doi:10.1016/B978-044482830-9/50019-9. Available at <http://theory.stanford.edu/~rvg/abstracts.html#43>.
- [88] R.J. van Glabbeek (2001): *The undefinability of definability*. Class handout. Available at <http://kilby.stanford.edu/~rvg/154/handouts/definability.html>.
- [89] R.J. van Glabbeek (2001): *What is branching time semantics and why to use it?* In G. Paun, G. Rozenberg & A. Salomaa, editors: *Current Trends in Theoretical Computer Science; Entering the 21st Century*, World Scientific, pp. 469–479. Available at <http://Theory.stanford.edu/~rvg/branching>. Also in M. Nielsen, editor: *The Concurrency Column, Bulletin of the EATCS* 53, 1994, pp. 190–198.
- [90] R.J. van Glabbeek (2003): *Liveness respecting semantics*. In L. Aceto, Z. Ésik, W.J. Fokkink & A. Ingólfssdóttir, editors: *Slide Reprints from the Workshop on Process Algebra: Open Problems and Future Directions, PA '03*, Bologna, Italy, July 2003, *BRICS notes NS-03-3*, Department of Computer Science, University of Aarhus, Denmark, pp. 59–63. Available at <http://www.brics.dk/NS/03/3/BRICS-NS-03-3.pdf>.
- [91] R.J. van Glabbeek (2004): *The Meaning of Negative Premises in Transition System Specifications II*. *Journal of Logic and Algebraic Programming* 60–61, pp. 229–258, doi:10.1016/j.jlap.2004.03.007. Available at <http://theory.stanford.edu/~rvg/abstracts.html#53>.
- [92] R.J. van Glabbeek (2005): *A Characterisation of Weak Bisimulation Congruence*. In A. Middeldorp, V. van Oostrom, F. van Raamsdonk & R. 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*, LNCS 3838, Springer, pp. 26–39, doi:10.1007/11601548\_4. Available at <http://theory.stanford.edu/~rvg/abstracts.html#65>.
- [93] R.J. van Glabbeek (2005): *Higher-Dimensional Automata and Other Models of Concurrency*. In P. Cousot, L. Fajstrup, E. Goubault, M. Herlihy, K.G. Larsen & M. Rauen, editors: *Preliminary Proceedings of the Workshop on Geometry and Topology in Concurrency, GETCO '05*, San Francisco, USA, August 2005, *BRICS Note NS-05-5*, Department of Computer Science, University of Aarhus, Denmark, p. 1. Available at <http://theory.stanford.edu/~rvg/abstracts.html#x>.

- [94] R.J. van Glabbeek (2005): *The Individual and Collective Token Interpretations of Petri Nets*. In M. Abadi & L. de Alfaro, editors: Proceedings *CONCUR'05*, 16<sup>th</sup> International Conference on *Concurrency Theory*, San Francisco, USA, August 2005, LNCS 3653, Springer, pp. 323–337, doi:10.1007/11539452\_26. Available at <http://theory.stanford.edu/~rvg/abstracts.html#59>.
- [95] R.J. van Glabbeek (2005): *On Cool Congruence Formats for Weak Bisimulations (extended abstract)*. In D.V. Hung & M. Wirsing, editors: Proceedings *International Colloquium on Theoretical Aspects of Computing*, ICTAC'05, Hanoi, Vietnam, LNCS 3722, Springer, pp. 318–333, doi:10.1007/11560647\_21. Available at <http://theory.stanford.edu/~rvg/abstracts.html#58>.
- [96] R.J. van Glabbeek (2005): *On Specifying Timeouts*. In L. Aceto & A.D. Gordon, editors: Short Contributions from the Workshop on *Algebraic Process Calculi: The First Twenty Five Years and Beyond*, PA '05, Bertinoro, Italy, August 2005, *Electronic Notes in Theoretical Computer Science* 162, Elsevier, pp. 112–113, doi:10.1016/j.entcs.2005.12.083. Available at <http://theory.stanford.edu/~rvg/abstracts.html#60>.
- [97] R.J. van Glabbeek (2005): *On the Expressiveness of Higher Dimensional Automata (extended abstract)*. *Electronic Notes in Theoretical Computer Science* 128(2): Proceedings of the 11th International Workshop on *Expressiveness in Concurrency* (EXPRESS'04), pp. 5–34, doi:10.1016/j.entcs.2004.11.026. Available at <http://theory.stanford.edu/~rvg/abstracts.html#56>.
- [98] R.J. van Glabbeek (2006): *On the Expressiveness of Higher Dimensional Automata*. *Theoretical Computer Science* 368(1-2), pp. 169–194, doi:10.1016/j.tcs.2006.06.024. Available at <http://theory.stanford.edu/~rvg/abstracts.html#63>.
- [99] R.J. van Glabbeek (2009): *The Linear Time – Branching Time Spectrum after 20 years or Full abstraction for safety and liveness properties*. Copies of slides. Invited talk for IFIP WG 1.8 at CONCUR'09 in Bologna. Available at <http://theory.stanford.edu/~rvg/abstracts.html#20years>.
- [100] R.J. van Glabbeek (2010): *The Coarsest Precongruences Respecting Safety and Liveness Properties*. In C.S. Calude & V. Sassone, editors: Proceedings 6th IFIP TC 1/WG 2.2 International Conference on *Theoretical Computer Science* (TCS'10); held as part of the *World Computer Congress* 2010, Brisbane, Australia, September 20-23, 2010, *IFIP* 323, Springer, pp. 32–52, doi:10.1007/978-3-642-15240-5\_3. Available at <http://arxiv.org/abs/1007.5491>.
- [101] R.J. van Glabbeek (2011): *Bisimulation*. In D. Padua, editor: *Encyclopedia of Parallel Computing*, Springer, pp. 136–139, doi:10.1007/978-0-387-09766-4\_149. Available at <http://theory.stanford.edu/~rvg/abstracts.html#45>.
- [102] R.J. van Glabbeek (2011): *On Cool Congruence Formats for Weak Bisimulations*. *Theoretical Computer Science* 412(28), pp. 3283–3302, doi:10.1016/j.tcs.2011.02.036. Available at <http://theory.stanford.edu/~rvg/abstracts.html#88>.
- [103] R.J. van Glabbeek (2012): *Musings on Encodings and Expressiveness*. In B. Luttik & M.A. Reniers, editors: Proceedings Combined 19th International Workshop on *Expressiveness in Concurrency* and 9th Workshop on *Structured Operational Semantics*, Newcastle upon Tyne, UK,

September 3, 2012, *Electronic Proceedings in Theoretical Computer Science* 89, Open Publishing Association, pp. 81–98, doi:10.4204/EPTCS.89.7.

- [104] R.J. van Glabbeek (2015): *Structure Preserving Bisimilarity, Supporting an Operational Petri Net Semantics of CCSP*. In R. Meyer, A. Platzer & H. Wehrheim, editors: *Proceedings Correct System Design - Symposium in Honor of Ernst-Rüdiger Olderog on the Occasion of His 60th Birthday*, Oldenburg, Germany, September 8-9, 2015, LNCS 9360, Springer, pp. 99–130, doi:10.1007/978-3-319-23506-6\_9. Available at <http://arxiv.org/abs/1509.05842>.
- [105] R.J. van Glabbeek (2016): *An Algebraic Treatment of Recursion*. In I. Bethke, B. Bredeweg & A. Ponse, editors: *Liber Amicorum for Jan A. Bergstra*, Informatics Institute, University of Amsterdam, pp. 58–59. Available at <http://arxiv.org/abs/1702.07838>.
- [106] R.J. van Glabbeek (2016): *Ensuring Liveness Properties of Distributed Systems (A Research Agenda)*. Position paper. Available at <https://arxiv.org/abs/1711.04240>.
- [107] R.J. van Glabbeek (2017): *A Branching Time Model of CSP*. In Th. Gibson-Robinson, Ph.J. Hopcroft & R. Lazic, editors: *Concurrency, Security, and Puzzles — Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday*, LNCS 10160, Springer, pp. 272–293, doi:10.1007/978-3-319-51046-0\_14. Available at <http://arxiv.org/abs/1702.07844>.
- [108] R.J. van Glabbeek (2017): *Lean and Full Congruence Formats for Recursion*. In: *Proceedings 32<sup>nd</sup> Annual ACM/IEEE Symposium on Logic in Computer Science, LICS’17*, Reykjavik, Iceland, June 2017, IEEE Computer Society Press, doi:10.1109/LICS.2017.8005142. Available at <https://arxiv.org/abs/1704.03160>.
- [109] R.J. van Glabbeek (2018): *Is Speed-Independent Mutual Exclusion Implementable?* In S. Schewe & L. Zhang, editors: *Proceedings 29th International Conference on Concurrency Theory (CONCUR’18)*, Beijing, China, September 2018, *Leibniz International Proceedings in Informatics (LIPIcs)* 118, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, Dagstuhl, Germany, doi:10.4230/LIPIcs.CONCUR.2018.3.
- [110] R.J. van Glabbeek (2018): *On the Validity of Encodings of the Synchronous in the Asynchronous  $\pi$ -calculus*. *Information Processing Letters* 137, p. 17–25, doi:10.1016/j.ip1.2018.04.015. Available at <https://arxiv.org/abs/1802.09182>.
- [111] R.J. van Glabbeek (2018): *A Theory of Encodings and Expressiveness*. Technical Report, Data61, CSIRO. Available at <https://arxiv.org/abs/1805.10415>.
- [112] R.J. van Glabbeek (2018): *A Theory of Encodings and Expressiveness (extended abstract)*. In C. Baier & U. Dal Lago, editors: *Proceeding 21st International Conference on Foundations of Software Science and Computational Structures, FoSSaCS’18*; held as part of the *European Joint Conferences on Theory and Practice of Software, ETAPS’18*, Thessaloniki, Greece, April 2018, LNCS 10803, Springer, pp. 183–202, doi:10.1007/978-3-319-89366-2\_10.
- [113] R.J. van Glabbeek (2019): *Ensuring liveness properties of distributed systems: Open problems*. *Journal of Logical and Algebraic Methods in Programming* 109:100480, doi:10.1016/j.jlamp.2019.100480. Available at <https://arxiv.org/abs/1912.05616>.

- [114] R.J. van Glabbeek (2019): *Justness: A Completeness Criterion for Capturing Liveness Properties*. Technical Report, Data61, CSIRO. Available at <https://arxiv.org/abs/1909.00286>. Extended abstract in M. Bojańczyk & A. Simpson, editors: Proceedings 22st International Conference on *Foundations of Software Science and Computation Structures* (FoSSaCS 2019); held as part of the European Joint Conferences on *Theory and Practice of Software* (ETAPS 2019), Prague, Czech Republic, April 2019, LNCS 11425, Springer, pp. 505-522.
- [115] R.J. van Glabbeek (2019): *Justness: A Completeness Criterion for Capturing Liveness Properties (extended abstract)*. In M. Bojańczyk & A. Simpson, editors: Proceedings 22st International Conference on *Foundations of Software Science and Computation Structures* (FoSSaCS'19); held as part of the *European Joint Conferences on Theory and Practice of Software* (ETAPS'19), Prague, Czech Republic, April 2019, LNCS 11425, Springer, pp. 505–522, doi:10.1007/978-3-030-17127-8\_29.
- [116] R.J. van Glabbeek (2019): *On the Meaning of Transition System Specifications*. In J.A. Pérez & J. Rot, editors: Proceedings Combined 26th International Workshop on *Expressiveness in Concurrency* and 16th Workshop on *Structural Operational Semantics*, Amsterdam, The Netherlands, 26th August 2019, *Electronic Proceedings in Theoretical Computer Science* 300, Open Publishing Association, pp. 69–85, doi:10.4204/EPTCS.300.5.
- [117] R.J. van Glabbeek (2019): *Reward Testing Equivalences for Processes*. In M. Boreale, F. Corradini, M. Loreti & R. Pugliese, editors: *Models, Languages, and Tools for Concurrent and Distributed Programming*, Essays Dedicated to Rocco De Nicola on the Occasion of His 65th Birthday, LNCS 11665, Springer, pp. 45–70, doi:10.1007/978-3-030-21485-2\_5. Available at <https://arxiv.org/abs/1907.13348>.
- [118] R.J. van Glabbeek (2020): *Reactive Bisimulation Semantics for a Process Algebra with Time-Outs*. In I. Konnov & L. Kovács, editors: Proceedings 31st International Conference on *Concurrency Theory* (CONCUR 20), Online, September 2020, *Leibniz International Proceedings in Informatics (LIPIcs)* 171, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, doi:10.4230/LIPIcs.CONCUR.2020.6.
- [119] R.J. van Glabbeek (2020): *Reactive Temporal Logic*. In O. Dardha & J. Rot, editors: Proceedings Combined 27th International Workshop on *Expressiveness in Concurrency* and 17th Workshop on *Structural Operational Semantics*, Online, 31 August 2020, *Electronic Proceedings in Theoretical Computer Science* 322, Open Publishing Association, pp. 51–68, doi:10.4204/EPTCS.322.6.
- [120] R.J. van Glabbeek (2021): *Coinductive Validity*. Available at <https://arxiv.org/abs/2104.13021>.
- [121] R.J. van Glabbeek (2021): *Comparing the expressiveness of the  $\pi$ -calculus and CCS*. Available at <http://arxiv.org/abs/2203.11519>. Extended abstract in I. Sergey, editor: *Programming Languages and Systems: Proceedings 31st European Symposium on Programming, ESOP'22*; held as part of the *European Joint Conferences on Theory and Practice of Software*, ETAPS'22, Munich, Germany, April 2022, LNCS 13240, Springer, 2022, pp. 548–574, doi: 10.1007/978-3-030-99336-8\_20.

- [122] R.J. van Glabbeek (2021): *Failure Trace Semantics for a Process Algebra with Time-outs*. *Logical Methods in Computer Science* 17(2):11, doi:10.23638/LMCS-17(2:11)2021. Available at <http://arxiv.org/abs/2002.10814>.
- [123] R.J. van Glabbeek (2021): *Modelling Mutual Exclusion in a Process Algebra with Time-outs*. arXiv:2106.12785v1.
- [124] R.J. van Glabbeek (2021): *Reactive Bisimulation Semantics for a Process Algebra with Time-Outs*. Technical Report, Data61, CSIRO. Available at <https://arxiv.org/abs/2008.11499>. Extended abstract in I. Konnov & L. Kovács, editors: *Proceedings 31st International Conference on Concurrency Theory (CONCUR 20)*, Online, September 2020, *Leibniz International Proceedings in Informatics (LIPIcs)* 171(6), Schloss Dagstuhl–Leibniz-Zentrum für Informatik.
- [125] R.J. van Glabbeek (2022): *Comparing the expressiveness of the  $\pi$ -calculus and CCS*. In I. Sergey, editor: *Programming Languages and Systems: Proceedings 31st European Symposium on Programming, ESOP'22*; held as part of the *European Joint Conferences on Theory and Practice of Software, ETAPS'22*, Munich, LNCS 13240, Springer, p. 548–574, doi:10.1007/978-3-030-99336-8\_20.
- [126] R.J. van Glabbeek (2022): *Fair Must Testing for I/O Automata*. In N. Jansen, M. Stoelinga & P. van den Bos, editors: *A Journey from Process Algebra via Timed Automata to Model Learning*, LNCS 13560, Springer, pp. 559–574, doi:10.1007/978-3-031-15629-8\_30. arXiv:2212.11248.
- [127] R.J. van Glabbeek (2023): *Comparing the expressiveness of the  $\pi$ -calculus and CCS*. *ACM Transactions on Computational Logic*, doi:10.1145/3611013.
- [128] R.J. van Glabbeek (2023): *Just Testing*. In P. Sobocinski & O. Kupferman, editors: *Proceedings 26th International Conference on Foundations of Software Science and Computation Structures (FoSSaCS 2023)*; held as part of the *European Joint Conferences on Theory and Practice of Software (ETAPS 2023)*, Paris, France, April 2023, LNCS 13992, Springer, pp. 498–519, doi:10.1007/978-3-031-30829-1\_24. arXiv:2212.08829.
- [129] R.J. van Glabbeek (2023): *Modelling Mutual Exclusion in a Process Algebra with Time-outs*. *Information and Computation* 294:105079, doi:10.1016/j.ic.2023.105079.
- [130] R.J. van Glabbeek & U. Goltz (1989): *Equivalence notions for concurrent systems and refinement of actions*. Arbeitspapiere der GMD 366, Gesellschaft für Mathematik und Datenverarbeitung, Sankt Augustin. Extended abstract in A. Kreczmar & G. Mirkowska: *Proceedings 14<sup>th</sup> Symposium on Mathematical Foundations of Computer Science, MFCS '89*, Pořąbka-Kozubnik, Poland, August/September 1989, LNCS 379, Springer, pp. 237–248, doi: 10.1007/3-540-51486-4\_71.
- [131] R.J. van Glabbeek & U. Goltz (1989): *Equivalence notions for concurrent systems and refinement of actions (extended abstract)*. In A. Kreczmar & G. Mirkowska, editors: *Proceedings 14<sup>th</sup> Symposium on Mathematical Foundations of Computer Science, MFCS '89*, Pořąbka-Kozubnik, Poland, August/September 1989, LNCS 379, Springer, pp. 237–248, doi:10.1007/3-540-51486-4\_71.

- [132] R.J. van Glabbeek & U. Goltz (1989): *Partial order semantics for refinement of actions—neither necessary nor always sufficient but appropriate when used with care*. *Bulletin of the European Association for Theoretical Computer Science* 38, pp. 154–163.
- [133] R.J. van Glabbeek & U. Goltz (1990): *A Deadlock-sensitive Congruence for Action Refinement*. SFB-Bericht Nr. 342/23/90 A, Institut für Informatik, Technische Universität München. Abstract in E. Best & G. Rozenberg, editors: *Proceedings 3<sup>rd</sup> Workshop on Concurrency and Compositionality*, Goslar, Germany, March 1991, GMD-Studien Nr. 191, Gesellschaft für Mathematik und Datenverarbeitung, Sankt Augustin 1991, pp. 113–116.
- [134] R.J. van Glabbeek & U. Goltz (1990): *Equivalences and Refinement*. In I. Guessarian, editor: *Proceedings Semantics of Systems of Concurrent Processes*, LITP Spring School on Theoretical Computer Science, La Roche Posay, France, April 1990, LNCS 469, Springer, pp. 309–333, doi:10.1007/3-540-53479-2\_13.
- [135] R.J. van Glabbeek & U. Goltz (1990): *Refinement of actions in causality based models*. In J.W. de Bakker, W.P. de Roever & G. Rozenberg, editors: *Proceedings REX Workshop on Stepwise Refinement of Distributed Systems: Models, Formalism, Correctness*, Mook, The Netherlands, May/June 1989, LNCS 430, Springer, pp. 267–300, doi:10.1007/3-540-52559-9\_68.
- [136] R.J. van Glabbeek & U. Goltz (1991): *A Deadlock-sensitive Congruence for Action Refinement* (abstract). In E. Best & G. Rozenberg, editors: *Proceedings 3<sup>rd</sup> Workshop on Concurrency and Compositionality*, Goslar, Germany, March 1991, GMD-Studien Nr. 191, Gesellschaft für Mathematik und Datenverarbeitung, Sankt Augustin, pp. 113–116.
- [137] R.J. van Glabbeek & U. Goltz (2001): *Refinement of Actions and Equivalence Notions for Concurrent Systems*. *Acta Informatica* 37, pp. 229–327, doi:10.1007/s002360000041. Available at <http://theory.stanford.edu/~rvvg/abstracts.html#41>.
- [138] R.J. van Glabbeek & U. Goltz (2004): *Well-behaved Flow Event Structures for Parallel Composition and Action Refinement*. *Theoretical Computer Science* 311, pp. 463–478, doi:10.1016/j.tcs.2003.10.031. Available at <http://theory.stanford.edu/~rvvg/abstracts.html#46>.
- [139] R.J. van Glabbeek, U. Goltz, C. Lippert & S. Mennicke (2019): *Stronger Validity Criteria for Encoding Synchrony*. In M.S. Alvim, K. Chatzikokolakis, C. Olarte & F. Valencia, editors: *The Art of Modelling Computational Systems: A Journey from Logic and Concurrency to Security and Privacy - Essays Dedicated to Catuscia Palamidessi on the Occasion of Her 60th Birthday*, LNCS 11760, Springer, pp. 182–205, doi:10.1007/978-3-030-31175-9\_11.
- [140] R.J. van Glabbeek, U. Goltz & E.-R. Olderog (2015): *Special issue on “Combining Compositionality and Concurrency”*: part 1. *Acta Informatica* 52(1), pp. 3–4, doi:10.1007/s00236-014-0213-y.
- [141] R.J. van Glabbeek, U. Goltz & E.-R. Olderog (2015): *Special issue on “Combining Compositionality and Concurrency”*: part 2. *Acta Informatica* 52(4-5), pp. 303–304, doi:10.1007/s00236-015-0240-3.

- [142] R.J. van Glabbeek, U. Goltz & J.-W. Schicke (2008): *On Synchronous and Asynchronous Interaction in Distributed Systems*. Technical Report 2008-04, Technical University of Braunschweig. Available at <http://arxiv.org/abs/0901.0048>. Extended abstract in: E. Ochmański & J. Tyszkiewicz, editors: Proceedings 33rd International Symposium on *Mathematical Foundations of Computer Science* (MFCS'08), Toruń, Poland, August 2008, LNCS 5162, Springer, pp. 16–35.
- [143] R.J. van Glabbeek, U. Goltz & J.-W. Schicke (2008): *On Synchronous and Asynchronous Interaction in Distributed Systems*. In E. Ochmański & J. Tyszkiewicz, editors: Proceedings 33rd International Symposium on *Mathematical Foundations of Computer Science* (MFCS'08), Toruń, Poland, August 2008, LNCS 5162, Springer, pp. 16–35, doi:10.1007/978-3-540-85238-4\_2. Available at <http://theory.stanford.edu/~rvg/abstracts.html#78>.
- [144] R.J. van Glabbeek, U. Goltz & J.-W. Schicke (2008): *Symmetric and Asymmetric Asynchronous Interaction*. Technical Report 2008-03, Technical University of Braunschweig. Available at <http://arxiv.org/abs/0901.0043>. Extended abstract in: F. Bonchi, D. Grohmann, P. Spoletini, A. Troina & E. Tuosto, editors: Proceedings of the First *Interaction and Concurrency Experience* (ICE'08), ENTCS 229(3), pp. 77-95.
- [145] R.J. van Glabbeek, U. Goltz & J.-W. Schicke (2009): *Symmetric and Asymmetric Asynchronous Interaction*. In F. Bonchi, D. Grohmann, P. Spoletini, A. Troina & E. Tuosto, editors: Proceedings of the First *Interaction and Concurrency Experience* (ICE'08), *Electronic Notes in Theoretical Computer Science* 229(3), Elsevier, pp. 77–95, doi:10.1016/j.entcs.2009.06.040. Available at <http://theory.stanford.edu/~rvg/abstracts.html#77>.
- [146] R.J. van Glabbeek, U. Goltz & J.-W. Schicke (2011): *Abstract Processes of Place/Transition Systems*. *Information Processing Letters* 111(13), pp. 626–633, doi:10.1016/j.ipl.2011.03.013. Available at <http://arxiv.org/abs/1103.5916>.
- [147] R.J. van Glabbeek, U. Goltz & J.-W. Schicke (2011): *On Causal Semantics of Petri Nets*. Informatik Bericht Nr. 2011-06, Institut für Programmierung und Reaktive Systeme, TU Braunschweig, Germany. Available at <http://theory.stanford.edu/~rvg/abstracts.html#90>. Extended abstract in J.-P. Katoen and B. König, editors: Proceedings 22nd International Conference on *Concurrency Theory*, CONCUR'11, Aachen, Germany, September 2011, LNCS 6901, Springer, 2011, pp. 43-59.
- [148] R.J. van Glabbeek, U. Goltz & J.-W. Schicke (2011): *On Causal Semantics of Petri Nets (extended abstract)*. In J.-P. Katoen & B. König, editors: Proceedings 22nd International Conference on *Concurrency Theory*, CONCUR'11, Aachen, Germany, September 2011, LNCS 6901, Springer, pp. 43–59, doi:10.1007/978-3-642-23217-6\_4. Available at <http://theory.stanford.edu/~rvg/abstracts.html#90>.
- [149] R.J. van Glabbeek, U. Goltz & J.-W. Schicke-Uffmann (2012): *On Distributability of Petri Nets*. Informatik Bericht Nr. 2011-10, Institut für Programmierung und Reaktive Systeme, TU Braunschweig, Germany. Available at <http://arxiv.org/abs/1207.3597>. Extended abstract in L. Birkedal, editor: Proceeding 15th International Conference on *Foundations of Software Science and Computational Structures*, FoSSaCS'12; held as part of the *European Joint Conferences on Theory and Practice of Software*, ETAPS'12, Tallinn, Estonia, March/April 2012, LNCS 7213, Springer, 2012, pp. 331-345.



- [150] R.J. van Glabbeek, U. Goltz & J.-W. Schicke-Uffmann (2012): *On Distributability of Petri Nets (extended abstract)*. In L. Birkedal, editor: *Proceeding 15th International Conference on Foundations of Software Science and Computational Structures, FoSSaCS'12*; held as part of the *European Joint Conferences on Theory and Practice of Software, ETAPS'12*, Tallinn, Estonia, March/April 2012, LNCS 7213, Springer, pp. 331–345, doi:10.1007/978-3-642-28729-9\_22. Available at <http://theory.stanford.edu/~rvg/abstracts.html#95>.
- [151] R.J. van Glabbeek, U. Goltz & J.-W. Schicke-Uffmann (2013): *On Characterising Distributability*. *Logical Methods in Computer Science* 9(3):17, doi:10.2168/LMCS-9(3:17)2013. Available at <http://arxiv.org/abs/1309.3883>.
- [152] R.J. van Glabbeek, U. Goltz & J.-W. Schicke-Uffmann (2021): *Abstract Processes and Conflicts in Place/Transition Systems*. *Information and Computation* 281:104706, doi:10.1016/j.ic.2021.104706. arXiv:2103.01490.
- [153] R.J. van Glabbeek, U. Goltz & J.-W. Schicke-Uffmann (2022): *Abstract Processes in the Absence of Conflicts in General Place/Transition Systems*. *Information and Computation* 289A:104939, doi:10.1016/j.ic.2022.104939. arXiv:2207.04362.
- [154] R.J. van Glabbeek, V. Gramoli & P. Tholoniati (2019): *Cross-Chain Payment Protocols with Success Guarantees*. Available at <http://arxiv.org/abs/1912.04513>.
- [155] R.J. van Glabbeek, V. Gramoli & P. Tholoniati (2020): *Feasibility of Cross-Chain Payment with Success Guarantees*. In: *Proceedings 32nd ACM Symposium on Parallelism in Algorithms and Architectures, SPAA 2020, Virtual Event, USA, July 2020*, ACM, pp. 579–581, doi:10.1145/3350755.3400264. Available at <http://arxiv.org/abs/2007.08152>.
- [156] R.J. van Glabbeek, V. Gramoli & P. Tholoniati (2023): *Cross-Chain Payment Protocols with Success Guarantees*. *Distributed Computing* 26, p. 137–157, doi:10.1007/s00446-023-00446-0.
- [157] R.J. van Glabbeek, J.F. Groote & P. Höfner (2015): *Preface*, *Proceedings Workshop on Models for Formal Analysis of Real Systems*, Suva, Fiji, November 23, 2015. *Electronic Proceedings in Theoretical Computer Science* 196:0, doi:10.4204/EPTCS.196.0.
- [158] R.J. van Glabbeek, J.F. Groote & P. Höfner, editors (2015): *Proceedings Workshop on Models for Formal Analysis of Real Systems*, Suva, Fiji, November 23, 2015. *Electronic Proceedings in Theoretical Computer Science* 196, Open Publishing Association, doi:10.4204/EPTCS.196.
- [159] R.J. van Glabbeek, J.F. Groote & E.P. de Vink (2019): *A Complete Axiomatization of Branching Bisimilarity for a Simple Process Language with Probabilistic Choice (Extended Abstract)*. In M.S. Alvim, K. Chatzikokolakis, C. Olarte & F. Valencia, editors: *The Art of Modelling Computational Systems: A Journey from Logic and Concurrency to Security and Privacy - Essays Dedicated to Catuscia Palamidessi on the Occasion of Her 60th Birthday*, LNCS 11760, Springer, pp. 139–162, doi:10.1007/978-3-030-31175-9\_9.
- [160] R.J. van Glabbeek, J.F. Groote & E.P. de Vink (2023): *A Cancellation Law for Probabilistic Processes*. In C.A. Mezzina & G. Caltais, editors: *Proceedings Combined 30th International Workshop on Expressiveness in Concurrency and 20th Workshop on Structural Operational Semantics*, Antwerp, Belgium, 18th September 2023, *Electronic Proceedings in Theoretical Computer Science* 387, Open Publishing Association, pp. 42–58, doi:10.4204/EPTCS.387.5.

- [161] R.J. van Glabbeek & M. Hennessy, editors (2006): Proceedings of the 4th Workshop on *Structural Operational Semantics*, Wroclaw, Poland, 9 July 2007. *Electronic Notes in Theoretical Computer Science* 192(1), Elsevier. Available at <http://theory.stanford.edu/~rvg/abstracts.html#72>.
- [162] R.J. van Glabbeek & M. Hennessy (2007): *Preface* Proceedings of the 4th Workshop on *Structural Operational Semantics*, Wroclaw, Poland, 9 July 2007. *Electronic Notes in Theoretical Computer Science* 192(1), pp. 1–3, doi:10.1016/j.entcs.2007.10.001. Available at <http://theory.stanford.edu/~rvg/abstracts.html#72>.
- [163] R.J. van Glabbeek & P. Höfner (2015): *CCS: It's not fair! - Fair schedulers cannot be implemented in CCS-like languages even under progress and certain fairness assumptions*. *Acta Informatica* 52(2-3), pp. 175–205, doi:10.1007/s00236-015-0221-6. Available at <http://arxiv.org/abs/1505.05964>.
- [164] R.J. van Glabbeek & P. Höfner (2015): *Progress, Fairness and Justness in Process Algebra*. Technical Report 8501, NICTA, Sydney, Australia. Available at <http://arxiv.org/abs/1501.03268>.
- [165] R.J. van Glabbeek & P. Höfner (2017): *Split, Send, Reassemble: A Formal Specification of a CAN Bus Protocol Stack*. In H. Hermanns & P. Höfner, editors: Proceedings 2nd Workshop on Models for Formal Analysis of Real Systems, Uppsala, Sweden, 29th April 2017, *Electronic Proceedings in Theoretical Computer Science* 244, Open Publishing Association, pp. 14–52, doi:10.4204/EPTCS.244.2.
- [166] R.J. van Glabbeek & P. Höfner (2018): *Progress, Justness and Fairness*. Survey paper, Data61, CSIRO, Sydney, Australia. Available at <https://arxiv.org/abs/1810.07414v1>.
- [167] R.J. van Glabbeek & P. Höfner (2019): *Progress, Justness and Fairness*. *ACM Computing Surveys* 52(4):69, doi:10.1145/3329125. Available at <https://arxiv.org/abs/1810.07414>.
- [168] R.J. van Glabbeek, P. Höfner & R. Horne (2021): *Assuming Just Enough Fairness to make Session Types Complete for Lock-freedom*. In: Proceedings 36<sup>th</sup> Annual ACM/IEEE Symposium on Logic in Computer Science, LICS'21, IEEE Computer Society Press, doi:10.1109/LICS52264.2021.9470531. Available at <https://arxiv.org/abs/2104.14226>.
- [169] R.J. van Glabbeek, P. Höfner & M. Markl (2019): *A Process Algebra for Link Layer Protocols*. In L. Caires, editor: *Programming Languages and Systems*, Proceedings 28th European Symposium on Programming (ESOP'19); held as part of the European Joint Conferences on Theory and Practice of Software (ETAPS'19), Prague, Czech Republic, April 2019, LNCS 11423, Springer, pp. 668–693, doi:10.1007/978-3-030-17184-1\_24. Available at <https://arxiv.org/abs/1907.13329>.
- [170] R.J. van Glabbeek, P. Höfner, M. Portmann & W.L. Tan (2016): *Modelling and Verifying the AODV Routing Protocol*. *Distributed Computing* 29(4), pp. 279–315, doi:10.1007/s00446-015-0262-7. Available at <http://arxiv.org/abs/1512.08867>.
- [171] R.J. van Glabbeek, P. Höfner, W.L. Tan & M. Portmann (2013): *Sequence Numbers Do Not Guarantee Loop Freedom —AODV Can Yield Routing Loops—*. In: Proceedings 16th ACM International Conference on Modeling, Analysis and Simulation of Wireless and Mobile Systems,

- MSWiM '13, Barcelona, Spain, November 2013, ACM, pp. 91–100, doi:10.1145/2507924.2507943. Available at <http://theory.stanford.edu/~rvg/abstracts.html#100>.
- [172] R.J. van Glabbeek, P. Höfner & D. van der Wal (2018): *Analysing AWN-Specifications Using mCRL2 (Extended Abstract)*. In C.A. Furia & K. Winter, editors: Proceedings 14th International Conference on *Integrated Formal Methods (IFM'18)*, Maynooth, Ireland, September 2018, LNCS 11023, Springer, pp. 398–418, doi:10.1007/978-3-319-98938-9\_23. Available at <http://theory.stanford.edu/~rvg/abstracts.html#132>.
- [173] R.J. van Glabbeek, P. Höfner & W. Wang (2021): *Enabling Preserving Bisimulation Equivalence*. In S. Haddad & D. Varacca, editors: Proceedings 32nd International Conference on *Concurrency Theory, CONCUR'21, Leibniz International Proceedings in Informatics (LIPIcs)* 203, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, doi:10.4230/LIPIcs.CONCUR.2021.33.
- [174] R.J. van Glabbeek, P. Höfner & W. Wang (2021): *Enabling Preserving Bisimulation Equivalence*. Available at <https://arxiv.org/abs/2108.00142>. Extended abstract in: Proceedings 32nd International Conference on *Concurrency Theory, CONCUR'21, Leibniz International Proceedings in Informatics (LIPIcs)* 203, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, 2021, doi:10.4230/LIPIcs.CONCUR.2021.33.
- [175] R.J. van Glabbeek, P. Höfner & W. Wang (2023): *A Lean-Congruence Format for EP-Bisimilarity*. In C.A. Mezzina & G. Caltais, editors: Proceedings Combined 30th International Workshop on *Expressiveness in Concurrency* and 20th Workshop on *Structural Operational Semantics*, Antwerp, Belgium, 18th September 2023, *Electronic Proceedings in Theoretical Computer Science* 387, Open Publishing Association, pp. 59–75, doi:10.4204/EPTCS.387.6.
- [176] R.J. van Glabbeek & D.J.D. Hughes (2016): *MALL proof nets identify proofs modulo rule commutation*. Available at <http://theory.stanford.edu/~rvg/abstracts.html#118>.
- [177] R.J. van Glabbeek, B. Luttik & L. Spaninks (2018): *Rooted Divergence-Preserving Branching Bisimilarity is a Congruence*. Technical Report, Data61, CSIRO. Available at <https://arxiv.org/abs/1801.01180v1>.
- [178] R.J. van Glabbeek, B. Luttik & L. Spaninks (2020): *Rooted Divergence-Preserving Branching Bisimilarity is a Congruence*. *Logical Methods in Computer Science* 16(3):14, doi:10.23638/LMCS-16(3:14)2020. Available at <https://arxiv.org/abs/1801.01180>.
- [179] R.J. van Glabbeek, B. Luttik & N. Trčka (2009): *Branching Bisimilarity with Explicit Divergence*. *Fundamenta Informaticae* 93(4), pp. 371–392, doi:10.3233/FI-2009-109. Available at <http://theory.stanford.edu/~rvg/abstracts.html#67>.
- [180] R.J. van Glabbeek, B. Luttik & N. Trčka (2009): *Computation Tree Logic with Deadlock Detection*. *Logical Methods in Computer Science* 5(4), doi:10.2168/LMCS-5(4:5)2009. Available at <http://theory.stanford.edu/~rvg/abstracts.html#73>.
- [181] R.J. van Glabbeek & C.A. Middelburg (2020): *On Infinite Guarded Recursive Specifications in Process Algebra*. Available at <http://arxiv.org/abs/2005.00746>.
- [182] R.J. van Glabbeek & P.D. Mosses (2006): *Preface* Proceedings of the 3rd Workshop on *Structural Operational Semantics*, Bonn, Germany, 26 August 2006. *Electronic Notes in Theoretical*

*Computer Science* 175(1), pp. 1–2, doi:10.1016/j.entcs.2006.11.016. Available at <http://theory.stanford.edu/~rvg/abstracts.html#68>.

- [183] R.J. van Glabbeek & P.D. Mosses, editors (2006): Proceedings of the 3rd Workshop on *Structural Operational Semantics*, Bonn, Germany, 26 August 2006. *Electronic Notes in Theoretical Computer Science* 175(1), Elsevier. Available at <http://theory.stanford.edu/~rvg/abstracts.html#68>.
- [184] R.J. van Glabbeek & P.D. Mosses (2009): *Preface, Special Issue on Structural Operational Semantics*. *Information and Computation* 207(2), pp. 83–84, doi:10.1016/j.ic.2008.10.006. Available at <http://theory.stanford.edu/~rvg/abstracts.html#76>.
- [185] R.J. van Glabbeek & B. Ploeger (2008): *Correcting a Space-Efficient Simulation Algorithm*. In A. Gupta & S. Malik, editors: Proceedings 20th International Conference on *Computer Aided Verification (CAV'08)*, Princeton, USA, July 2008, LNCS 5123, Springer, pp. 517–529, doi:10.1007/978-3-540-70545-1\_49. Available at <http://theory.stanford.edu/~rvg/abstracts.html#74>.
- [186] R.J. van Glabbeek & B. Ploeger (2008): *Correcting a Space-Efficient Simulation Algorithm*. CS-Report 08-06, Eindhoven University of Technology. Available at <http://theory.stanford.edu/~rvg/abstracts.html#74>. Extended abstract in A. Gupta & S. Malik, editors: Proceedings 20th International Conference on *Computer Aided Verification (CAV'08)*, Princeton, USA, July 2008, LNCS 5123, Springer, pp. 517–529, doi: 10.1007/978-3-540-70545-1\_49.
- [187] R.J. van Glabbeek & B. Ploeger (2008): *Five Determinisation Algorithms*. In O.H. Ibarra & B. Ravikumar, editors: Proceedings Thirteenth International Conference on *Implementation and Application of Automata (CIAA'08)*, San Francisco, California, USA, July 2008, LNCS 5148, Springer, pp. 161–170, doi:10.1007/978-3-540-70844-5\_17. Available at <http://theory.stanford.edu/~rvg/abstracts.html#75>.
- [188] R.J. van Glabbeek & B. Ploeger (2008): *Five Determinisation Algorithms*. CS-Report 08-14, Eindhoven University of Technology. Available at <http://theory.stanford.edu/~rvg/abstracts.html#75>. Extended abstract in A. Gupta & S. Malik, editors: Proceedings Thirteenth International Conference on *Implementation and Application of Automata (CIAA'08)*, San Francisco, California, USA, July 2008, LNCS 5148, Springer, pp. 161–170, doi: 10.1007/978-3-540-70844-5\_17.
- [189] R.J. van Glabbeek & G.D. Plotkin (1995): *Configuration Structures (extended abstract)*. In D. Kozen, editor: Proceedings 10<sup>th</sup> Annual IEEE Symposium on *Logic in Computer Science, LICS'95*, San Diego, USA, June 1995, IEEE Computer Society Press, pp. 199–209, doi:10.1109/LICS.1995.523257. Available at <http://theory.stanford.edu/~rvg/abstracts.html#34>.
- [190] R.J. van Glabbeek & G.D. Plotkin (2004): *Event Structures for Resolvable Conflict*. In J. Fiala, V. Koubek & J. Kratochvíl, editors: Proceedings 29<sup>th</sup> International Symposium on *Mathematical Foundations of Computer Science, MFCS'04*, Prague, Czech Republic, August 2004, LNCS 3153, Springer, pp. 550–561, doi:10.1007/978-3-540-28629-5\_42. Available at <http://theory.stanford.edu/~rvg/abstracts.html#55>.

- [191] R.J. van Glabbeek & G.D. Plotkin (2009): *Configuration structures, event structures and Petri nets*. *Theoretical Computer Science* 410(41), pp. 4111–4159, doi:10.1016/j.tcs.2009.06.014. Available at <http://arxiv.org/abs/0912.4023>.
- [192] R.J. van Glabbeek & G.D. Plotkin (2010): *On CSP and the Algebraic Theory of Effects*. In C.B. Jones, A.W. Roscoe & K.R. Wood, editors: *Reflections on the Work of C.A.R. Hoare*, History of Computing, Springer, pp. 333–369, doi:10.1007/978-1-84882-912-1\_15. Available at <http://arxiv.org/abs/1007.5488>.
- [193] R.J. van Glabbeek & P. Rittgen (1998): *Scheduling Algebra*. Arbeitsberichte des Instituts für Wirtschaftsinformatik 12, Universität Koblenz-Landau, Germany. Available at <http://theory.stanford.edu/~rvg/abstracts.html#40>. Slightly revised version in A.M. Haeberer, editor: Proceedings of the Seventh International Conference on *Algebraic Methodology and Software Technology*, AMAST'98, Amazonia, Brazil, January 1999, LNCS 1548, Springer, 1999, pp. 278–292, doi: 10.1007/3-540-49253-4\_21.
- [194] R.J. van Glabbeek & P. Rittgen (1998): *Scheduling Algebra*. Technical Report STAN-CS-TN-98-87, Stanford University. Available at <http://theory.stanford.edu/~rvg/abstracts.html#40>. Slightly condensed version in A.M. Haeberer, editor: Proceedings of the Seventh International Conference on *Algebraic Methodology and Software Technology*, AMAST'98, Amazonia, Brazil, January 1999, LNCS 1548, Springer, 1999, pp. 278–292, doi: 10.1007/3-540-49253-4\_21.
- [195] R.J. van Glabbeek & P. Rittgen (1999): *Scheduling Algebra*. In A.M. Haeberer, editor: Proceedings of the 7<sup>th</sup> International Conference on *Algebraic Methodology and Software Technology*, AMAST'98, Amazonia, Brazil, January 1999, LNCS 1548, Springer, pp. 278–292, doi:10.1007/3-540-49253-4\_21. Available at <http://theory.stanford.edu/~rvg/abstracts.html#40>.
- [196] R.J. van Glabbeek & J.J.M.M. Rutten (1989): *The processes of De Bakker and Zucker represent bisimulation equivalence classes*. In: *J.W. de Bakker, 25 jaar semantiek, liber amicorum*, CWI, Amsterdam, pp. 243–246.
- [197] R.J. van Glabbeek, S.A. Smolka & B. Steffen (1995): *Reactive, generative, and stratified models of probabilistic processes*. *Information and Computation* 121(1), pp. 59–80, doi:10.1006/inco.1995.1123. Available at <http://theory.stanford.edu/~rvg/abstracts.html#30>.
- [198] R.J. van Glabbeek, S.A. Smolka, B. Steffen & C.M.N. Tofts (1990): *Reactive, generative, and stratified models of probabilistic processes*. In: Proceedings 5<sup>th</sup> Annual IEEE Symposium on *Logic in Computer Science*, LICS'90, Philadelphia, USA, June 1990, IEEE Computer Society Press, pp. 130–141, doi:10.1109/LICS.1990.113740.
- [199] R.J. van Glabbeek & D.G. Stork (2003): *Query Nets: Interacting Workflow Modules that Ensure Global Termination*. In W.M.P. van der Aalst, A.H.M. ter Hofstede & M. Weske, editors: Proceedings International Conference on *Business Process Management*, BPM'03, Eindhoven, The Netherlands, June 2003, LNCS 2678, Springer, pp. 184–199, doi:10.1007/3-540-44895-0\_13. Available at <http://theory.stanford.edu/~rvg/abstracts.html#49>.

- [200] R.J. van Glabbeek & F.W. Vaandrager (1987): *Petri net models for algebraic theories of concurrency (extended abstract)*. In J.W. de Bakker, A.J. Nijman & P.C. Treleaven, editors: Proceedings *PARLE, Parallel Architectures and Languages Europe*, Eindhoven, The Netherlands, June 1987, Vol. II: Parallel Languages, LNCS 259, Springer, pp. 224–242, doi:10.1007/3-540-17945-3\_13. Available at <http://kilby.stanford.edu/~rvg/pub/petri.pdf>.
- [201] R.J. van Glabbeek & F.W. Vaandrager (1988): *Modular specifications in process algebra—with curious queues*. Report CS-R8821, CWI, Amsterdam. Extended abstract in M. Wirsing & J.A. Bergstra, editors: *Algebraic Methods: Theory, Tools and Applications*, LNCS 394, Springer, 1989, pp. 465–506, doi: 10.1007/BFb0015049.
- [202] R.J. van Glabbeek & F.W. Vaandrager (1989): *Modular specifications in process algebra—with curious queues (extended abstract)*. In M. Wirsing & J.A. Bergstra, editors: *Algebraic Methods: Theory, Tools and Applications*, LNCS 394, Springer, pp. 465–506, doi:10.1007/BFb0015049.
- [203] R.J. van Glabbeek & F.W. Vaandrager (1991): *The Difference Between Splitting in  $n$  and  $n+1$  (abstract)*. In E. Best & G. Rozenberg, editors: Proceedings *3<sup>rd</sup> Workshop on Concurrency and Compositionality*, Goslar, Germany, March 1991, GMD-Studien Nr. 191, Gesellschaft für Mathematik und Datenverarbeitung, Sankt Augustin, pp. 117–121.
- [204] R.J. van Glabbeek & F.W. Vaandrager (1993): *Modular Specification of Process Algebras*. *Theoretical Computer Science* 113(2), pp. 293–348, doi:10.1016/0304-3975(93)90006-F.
- [205] R.J. van Glabbeek & F.W. Vaandrager (1997): *The Difference Between Splitting in  $n$  and  $n+1$ . Information and Computation* 136(2), pp. 109–142, doi:10.1006/inco.1997.2634. Available at <http://boole.stanford.edu/pub/split.pdf>. Abstract in E. Best & G. Rozenberg, editors: Proceedings *3<sup>rd</sup> Workshop on Concurrency and Compositionality*, Goslar, Germany, March 1991, GMD-Studien Nr. 191, Gesellschaft für Mathematik und Datenverarbeitung, Sankt Augustin 1991, pp. 117–121.
- [206] R.J. van Glabbeek & F.W. Vaandrager (2003): *Bundle Event Structures and CCSP*. In R. Amadio & D. Lugiez, editors: Proceedings *CONCUR'03, 14<sup>th</sup> International Conference on Concurrency Theory*, Marseille, France, September 2003, LNCS 2761, Springer, pp. 57–71, doi:10.1007/978-3-540-45187-7\_4. Available at <http://theory.stanford.edu/~rvg/abstracts.html#52>.
- [207] R.J. van Glabbeek & M. Voorhoeve (2006): *Liveness, Fairness and Impossible Futures*. In C. Baier & H. Hermanns, editors: Proceedings *CONCUR'06, 17<sup>th</sup> International Conference on Concurrency Theory*, Bonn, Germany, August 2006, LNCS 4137, Springer, pp. 126–141, doi:10.1007/11817949\_9. Available at <http://theory.stanford.edu/~rvg/abstracts.html#66>.
- [208] R.J. van Glabbeek & W.P. Weijland (1989): *Branching Time and Abstraction in Bisimulation Semantics (extended abstract)*. In G.X. Ritter, editor: *Information Processing 89*, Proceedings of the IFIP 11th World Computer Congress, San Francisco 1989, North-Holland, pp. 613–618. Available at <http://theory.stanford.edu/~rvg/abstracts.html#11>. Full version in *Journal of the ACM* 43(3), 1996, pp. 555–600.

- [209] R.J. van Glabbeek & W.P. Weijland (1989): *Refinement in Branching Time Semantics*. Report CS-R8922, CWI, Amsterdam. Available at <http://theory.stanford.edu/~rvg/abstracts.html#12>. Also appeared in: Proceedings AMAST Conference, May 1989, Iowa, USA, pp. 197–201.
- [210] R.J. van Glabbeek & W.P. Weijland (1989): *Refinement in Branching Time Semantics*. In: Proceedings AMAST Conference, May 1989, Iowa, USA, pp. 197–201. Available at <http://theory.stanford.edu/~rvg/abstracts.html#12>.
- [211] R.J. van Glabbeek & W.P. Weijland (1990): *Branching Time and Abstraction in Bisimulation Semantics*. Technical Report TUM-I9052, SFB-Bericht Nr. 342/29/90 A, Institut für Informatik, Technische Universität München, Germany. Available at <http://theory.stanford.edu/~rvg/abstracts.html#23>. Original version of [212]. Extended abstract in G.X. Ritter, editor: *Information Processing 89*, Proceedings of the IFIP 11th World Computer Congress, San Francisco, USA 1989, Elsevier Science Publishers B.V. (North-Holland), 1989, pp. 613–618.
- [212] R.J. van Glabbeek & W.P. Weijland (1996): *Branching Time and Abstraction in Bisimulation Semantics*. *Journal of the ACM* 43(3), pp. 555–600, doi:10.1145/233551.233556. Available in part at <http://Theory.Stanford.EDU/~rvg/abstraction/>.
- [213] P. Höfner, R.J. van Glabbeek, W.L. Tan, M. Portmann, A.K. McIver & A. Fehnker (2012): *A Rigorous Analysis of AODV and its Variants*. In A.Y. Zomaya, B. Landfeldt & R. Prakash, editors: Proceedings 15th ACM International Conference on *Modeling, Analysis and Simulation of Wireless and Mobile Systems*, MSWiM '12, Paphos, Cyprus, October 2012, ACM, pp. 203–212, doi:10.1145/2387238.2387274. Available at <http://theory.stanford.edu/~rvg/abstracts.html#97>.
- [214] P. Höfner, R.J. van Glabbeek & I.J. Hayes (2012): *Preface—Morgan: a suitable case for treatment*. *Formal Aspects of Computing* 24(4–6), pp. 417–422, doi:10.1007/s00165-012-0257-0. Available at <http://theory.stanford.edu/~rvg/abstracts.html#96>. Festschrift, Celebrating the 60th Birthday of Carroll Morgan.
- [215] D.J.D. Hughes & R.J. van Glabbeek (2003): *Proof Nets for Unit-free Multiplicative-Additive Linear Logic (extended abstract)*. In: Proceedings 18<sup>th</sup> Annual IEEE Symposium on *Logic in Computer Science*, LICS'03, Ottawa, Canada, June 2003, IEEE Computer Society Press, pp. 1–10, doi:10.1109/LICS.2003.1210039. Available at <http://theory.stanford.edu/~rvg/abstracts.html#50>.
- [216] D.J.D. Hughes & R.J. van Glabbeek (2005): *Proof Nets for Unit-free Multiplicative-Additive Linear Logic*. *ACM Transactions on Computational Logic* 6(4), pp. 784–842, doi:10.1145/1094622.1094629. Available at <http://theory.stanford.edu/~rvg/abstracts.html#57>.
- [217] C. Lippert, S. Mennicke, R.J. van Glabbeek & U. Goltz (2018): *A Case Study on Evaluating Encodings Between Process Calculi*. Technical Report, Data61, CSIRO. Available at <http://theory.stanford.edu/~rvg/abstracts.html#129>.
- [218] E.-R. Olderog, U. Goltz & R.J. van Glabbeek (1988): *Combining Compositionality and Concurrency*, Summary of a GMD-Workshop, Königswinter, March 1988. Arbeitspapiere der GMD 320, Gesellschaft für Mathematik und Datenverarbeitung, Sankt Augustin.

- [219] C. Palamidessi, J. Parrow & R.J. van Glabbeek (2000): *Preface* to the special issue of Information and Computation dedicated to EXPRESS'97. *Information and Computation* 156, p. 1, doi:10.1006/inco.1999.2815.
- [220] K. Peters & R.J. van Glabbeek (2015): *Analysing and Comparing Encodability Criteria*. In S. Crafa & D.E. Gebler, editors: Proceedings of the Combined 22th International Workshop on Expressiveness in Concurrency and 12th Workshop on Structural Operational Semantics, Madrid, Spain, 31st August 2015, *Electronic Proceedings in Theoretical Computer Science* 190, Open Publishing Association, pp. 46–60, doi:10.4204/EPTCS.190.4.
- [221] K. Peters & R.J. van Glabbeek (2015): *Analysing and Comparing Encodability Criteria for Process Calculi*. *Archive of Formal Proofs*. Available at [https://www.isa-afp.org/entries/Encodability\\_Process\\_Calculi.html](https://www.isa-afp.org/entries/Encodability_Process_Calculi.html).
- [222] X. Qin, L. O'Connor, R.J. van Glabbeek, P. Höfner, O. Kammar & M. Steuwer (2024): *Artifact for Shoggoth - A Formal Foundation for Strategic Rewriting*. *Zenodo*, doi:10.5281/zenodo.10125602.
- [223] X. Qin, L. O'Connor, R.J. van Glabbeek, P. Höfner, O. Kammar & M. Steuwer (2024): *Shoggoth: A Formal Foundation for Strategic Rewriting*. *Proceedings of the ACM on Programming Languages* 8(POPL), pp. 61–89, doi:10.1145/3633211.
- [224] Gaspard Reghem & Rob J. van Glabbeek (2024): *Branching Bisimilarity for Processes with Time-outs*. In Rupak Majumdar & Alexandra Silva, editors: Proceedings 35th International Conference on Concurrency Theory, CONCUR'24, Calgary, Canada, *Leibniz International Proceedings in Informatics (LIPIcs)* 311, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, doi:10.4230/LIPIcs.CONCUR.2024.36.
- [225] Gaspard Reghem & Rob J. van Glabbeek (2024): *Branching Bisimilarity for Processes with Time-outs*. Available at <https://arxiv.org/abs/2408.10117>. Extended abstract in: Proceedings 35th International Conference on Concurrency Theory, CONCUR'24, *Leibniz International Proceedings in Informatics (LIPIcs)* 311, Schloss Dagstuhl–Leibniz-Zentrum für Informatik, 2024, doi:10.4230/LIPIcs.CONCUR.2024.36.
- [226] Gaspard Reghem & Rob J. van Glabbeek (2024): *Concrete Branching Bisimilarity for Processes with Time-outs*. Available at <http://theory.stanford.edu/~rvg/abstracts.html#167>.
- [227] P.H. Rodenburg & R.J. van Glabbeek (1988): *An interpolation theorem in equational logic*. Report CS-R8838, CWI, Amsterdam. Available at <http://theory.stanford.edu/~rvg/abstracts.html#9>.
- [228] D.G. Stork & R.J. van Glabbeek (2002): *Token-controlled place refinement in hierarchical Petri nets with application to active document workflow*. In J. Esparza & C. Lakos, editors: Proceedings 23<sup>rd</sup> International Conference on Application and Theory of Petri Nets, ICATPN'02, Adelaide, Australia, June 2002, LNCS 2360, Springer, pp. 394–413, doi:10.1007/3-540-48068-4\_23. Available at <http://theory.stanford.edu/~rvg/abstracts.html#47>.
- [229] Yu Wang, Zhaohui Zhu, Rob J. van Glabbeek, Jinjin Zhang & Lixing Tan (2024): *More on Maximally Permissive Similarity Control of Discrete Event Systems*. Available at <https://arxiv.org/abs/2407.08068>.