

List of Publications

Antti Valmari

December 14, 2017

In English

number	Ministry of Education category
20	A1 reviewed journal article
4	A3 reviewed book chapter
65	A4 reviewed conference article
2	B1 other journal article
8	B2 other book chapter
15	B3 other conference article
5	C2 edited book, journal issue, proceedings, etc.
1	G5 doctoral thesis
2	not MinEDU ranked

- [122] Antti Valmari & Walter Vogler: Fair Testing and Stubborn Sets. *Software Tools for Technology* **A1** *Transfer* 22 pages. (2017) <https://doi.org/10.1007/s10009-017-0481-2>
- [121] Antti Valmari: Stubborn Sets with Frozen Actions. Matthew Hague & Igor Potapov (ed.) Reachability Problems - 11th International Workshop, RP 2017, London, UK, September 7-9, 2017, Proceedings. *Lecture Notes in Computer Science* **10506**, pages 160–175. Springer (2017) doi: 10.1007/978-3-319-67089-8_12
- [120] Antti Valmari & Henri Hansen: Stubborn Set Intuition Explained. *Transactions on Petri Nets and* **A3** *Other Models of Concurrency* **12**:140–165 (2017) doi: 10.1007/978-3-662-55862-1_7
- [119] Antti Valmari & Lauri Hella: The Logics Taught and Used at High Schools Are Not the Same. **A4** Juhani Karhumäki, Yuri Matiyasevich, Aleksii Saarela (ed.) RuFiDiM IV, Proceedings of the Fourth Russian Finnish Symposium on Discrete Mathematics 2017. *TUCS Lecture Notes* (26), pages 172–186. (2017)
- [118] Antti Valmari: Stop It, and Be Stubborn! *ACM Transactions on Embedded Computing Systems* **A1** **16**(2):46:1–46:26 (2017) doi: 10.1145/3012279
- [117] Antti Valmari: More Stubborn Set Methods for Process Algebras. Thomas Gibson-Robinson & **B2** Philippa J. Hopercroft & Ranko Lazic (ed.) Concurrency, Security, and Puzzles - Essays Dedicated to Andrew William Roscoe on the Occasion of His 60th Birthday. *Lecture Notes in Computer*

- Science* **10160**, pages 246–271. Springer (2017) doi: 10.1007/978-3-319-51046-0_13 [Talks and papers by invitation only]
- [116] Antti Valmari: The Congruences Below Fair Testing with Initial Stability. Jörg Desel & Alex **A4** Yakovlev (ed.) 16th International Conference on Application of Concurrency to System Design, ACSD 2016, Toruń, Poland, June 20-21, 2016. Pages 25–34. IEEE Computer Society (2016) doi: 10.1109/ACSD.2016.15
- [115] Antti Valmari & Terhi Kaarakka: MathCheck: A Tool for Checking Math Solutions in Detail. 44th **B3** SEFI Conference, Engineering Education on Top of the World: Industry University Cooperation, 12-15 September 2016, Tampere, Finland. 9 pages. European Society for Engineering Education SEFI (2016) ISBN: 9782873520144 [was among the minority of best papers that got a longer talk time]
- [114] Artturi Piipponen & Antti Valmari: Constructing Minimal Coverability Sets. *Fundamenta Informaticae* **A1 143**(3-4):393–414 (2016) doi: 10.3233/FI-2016-1319
- [113] Raymond R. Devillers & Antti Valmari & Wojciech Penczek: Preface. *Fundamenta Informaticae* **C2 146**(1):v–vi (2016) doi: 10.3233/FI-2016-1373
- [112] Antti Valmari & Henri Hansen: Stubborn Set Intuition Explained. Lawrence Cabac & Lars **A4** Michael Kristensen & Heiko Rölke (ed.) Proceedings of the International Workshop on Petri Nets and Software Engineering 2016, Toruń, Poland, June 20-21, 2016. *CEUR Workshop Proceedings* **1591**, pages 213–232. CEUR-WS.org (2016) <http://ceur-ws.org/Vol-1591/paper15.pdf>
- [111] Henri Hansen & Antti Valmari: Safety Property-Driven Stubborn Sets. Kim Guldstrand Larsen **A4** & Igor Potapov & Jiri Srba (ed.) Reachability Problems - 10th International Workshop, RP 2016, Aalborg, Denmark, September 19-21, 2016, Proceedings. *Lecture Notes in Computer Science* **9899**, pages 90–103. Springer (2016) doi: 10.1007/978-3-319-45994-3_7
- [110] Antti Valmari & Walter Vogler: Fair Testing and Stubborn Sets. Dragan Bosnacki & Anton Wijs **A4** (ed.) Model Checking Software - 23rd International Symposium, SPIN 2016, Co-located with ETAPS 2016, Eindhoven, The Netherlands, April 7-8, 2016, Proceedings. *Lecture Notes in Computer Science* **9641**, pages 225–243. Springer (2016) doi: 10.1007/978-3-319-32582-8_16
- [109] Antti Valmari: On constructibility and unconstructibility of LTS operators from other LTS operators. *Acta Informatica* **52**(2-3):207–234 (2015) doi: 10.1007/s00236-015-0217-2 [Special issue dedicated to Walter Vogler on the occasion of his 60th birthday, underwent ordinary peer-review]
- [108] Antti Valmari: Stop It, and Be Stubborn! Stefan Haar & Roland Meyer (ed.) 15th International **A4** Conference on Application of Concurrency to System Design, ACSD 2015, Brussels, Belgium, June 21-26, 2015. Pages 10–19. IEEE Computer Society (2015) doi: 10.1109/ACSD.2015.14
- [107] Antti Valmari: A state space tool for concurrent system models expressed in C++. Jyrki Nummenmaa & Outi Sievi-Korte & Erkki Mäkinen (ed.) Proceedings of the 14th Symposium on Programming Languages and Software Tools (SPLST’15), Tampere, Finland, October 9-10, 2015. *CEUR Workshop Proceedings* **1525**, pages 91–105. CEUR-WS.org (2015) <http://ceur-ws.org/Vol-1525/paper-07.pdf>

- [106] Matti Rintala & Antti Valmari: Priority queue classes with priority update. Jyrki Nummenmaa & A4 Outi Sievi-Korte & Erkki Mäkinen (ed.) Proceedings of the 14th Symposium on Programming Languages and Software Tools (SPLST'15), Tampere, Finland, October 9-10, 2015. *CEUR Workshop Proceedings* **1525**, pages 179–193. CEUR-WS.org (2015) <http://ceur-ws.org/Vol-1525/paper-13.pdf>
- [105] Raymond R. Devillers & Antti Valmari (ed.) Application and Theory of Petri Nets and Concurrency - 36th International Conference, PETRI NETS 2015, Brussels, Belgium, June 21-26, 2015, Proceedings. *Lecture Notes in Computer Science* **9115** Springer (2015) ISBN: 978-3-319-19487-5 doi: 10.1007/978-3-319-19488-2
- [104] Antti Valmari: Asymptotic Proportion of Hard Instances of the Halting Problem. *Acta Cybernetica* A1 **21**(3):307–330 (2014) http://www.inf.u-szeged.hu/actacybernetica/edb/vol21n3/Valmari_2014_ActaCybernetica.xml
- [103] Antti Valmari & Henri Hansen: Old and New Algorithms for Minimal Coverability Sets. *Fundamenta Informaticae* **131**(1):1–25 (2014) doi: 10.3233/FI-2014-1002
- [102] Antti Valmari: A Simple Character String Proof of the “True but Unprovable” Version of Gödel’s A4 First Incompleteness Theorem. Zoltán Ésik & Zoltán Fülöp (ed.) Proceedings 14th International Conference on Automata and Formal Languages, AFL 2014, Szeged, Hungary, May 27-29, 2014. *EPTCS* **151**, pages 355–369. (2014) doi: 10.4204/EPTCS.151.25
- [101] Antti Valmari: The Asymptotic Behaviour of the Proportion of Hard Instances of the Halting A4 Problem. Ákos Kiss (ed.) SPLST '13, 13th Symposium on Programming Languages and Software Tools, August 26-27, 2013, Szeged, Hungary. Pages 170–184. University of Szeged (2013)
- [100] Antti Valmari: Does the Shannon Bound Really Apply to All Data Structures? *Proceedings of the A1 Estonian Academy of Sciences* **62**(1):47–58 (2013) doi: 10.3176/proc.2013.1.06
- [99] Antti Valmari: All Linear-Time Congruences for Familiar Operators. *Logical Methods in Computer Science* **9**(4) 34 pages. (2013) doi: 10.2168/LMCS-9(4:11)2013
- [98] Mikko Tiisanen & Antti Valmari: Good to Know about the Efficiency of State Space Methods. A1 *Nordic Journal of Computing* **15**(1):53–74 (2013)
- [97] Antti Valmari: External Behaviour of Systems of State Machines with Variables. *Transactions on A3 Petri Nets and Other Models of Concurrency* **7**:255–299 (2013) doi: 10.1007/978-3-642-38143-0_7 [Jensen, K., van der Aalst, W.M.P., Balbo, G., Koutny, M., Wolf, K. (Eds.), *Lecture Notes in Computer Science*, Vol. 7480; Post-proceedings of Advanced Course on Petri Nets 2010, by invitation only]
- [96] Artturi Piipponen & Antti Valmari: Constructing Minimal Coverability Sets. Parosh Aziz Abdulla & Igor Potapov (ed.) Reachability Problems - 7th International Workshop, RP 2013, Uppsala, Sweden, September 24-26, 2013 Proceedings. *Lecture Notes in Computer Science* **8169**, pages 183–195. Springer (2013) doi: 10.1007/978-3-642-41036-9_17

- [95] Antti Valmari: Sizes of Up-to- n Halting Testers. Vesa Halava, Juhani Karhumäki, Yuri Matiyasevich (ed.) RuFiDiM II, Proceedings of the Second Russian Finnish Symposium on Discrete Mathematics 2012. *TUCS Lecture Notes* (17), pages 176–183. (2012)
- [94] Antti Valmari: Fast brief practical DFA minimization. *Information Processing Letters* **112**(6):213–A1 217 (2012) doi: 10.1016/j.ipl.2011.12.004
- [93] Antti Valmari: All Linear-Time Congruences for Finite LTSs and Familiar Operators. Jens Brandt & Keijo Heljanko (ed.) 12th International Conference on Application of Concurrency to System Design, ACSD 2012, Hamburg, Germany, June 27-29, 2012. Pages 12–21. IEEE Computer Society (2012) doi: 10.1109/ACSD.2012.14
- [92] Antti Valmari & Henri Hansen: Old and New Algorithms for Minimal Coverability Sets. Serge Haddad & Lucia Pomello (ed.) Application and Theory of Petri Nets - 33rd International Conference, PETRI NETS 2012, Hamburg, Germany, June 25-29, 2012. Proceedings. *Lecture Notes in Computer Science* **7347**, pages 208–227. Springer (2012) doi: 10.1007/978-3-642-31131-4_12 [Outstanding paper award of the conference]
- [91] Antti Valmari: All Linear-Time Congruences for Familiar Operators Part 2: Infinite LTSs. Maciej Koutny & Irek Ulidowski (ed.) CONCUR 2012 - Concurrency Theory - 23rd International Conference, CONCUR 2012, Newcastle upon Tyne, UK, September 4-7, 2012. Proceedings. *Lecture Notes in Computer Science* **7454**, pages 162–176. Springer (2012) doi: 10.1007/978-3-642-32940-1_13
- [90] Antti Valmari: Does the Shannon Bound Really Apply to Data Structures? 12th Symposium on Programming Languages and Software Tools – SPLST ’11, Tallinn, Estonia 2011. Pages 174–184. TUT Press (2011) ISBN: 978-9949-23-178-2
- [89] Antti Valmari & Henri Hansen: Can Stubborn Sets Be Optimal? *Fundamenta Informaticae* **113**(3-A1 4):377–397 (2011) doi: 10.3233/FI-2011-613
- [88] Antti Valmari: Simple Bisimilarity Minimization in $O(m \log n)$ Time. *Fundamenta Informaticae* **A1 105**(3): 319–339 (2010) doi: 10.3233/FI-2010-369
- [87] Antti Valmari & Henri Hansen: Can Stubborn Sets Be Optimal? Johan Lilius & Wojciech Penczek (ed.) Applications and Theory of Petri Nets, 31st International Conference, PETRI NETS 2010, Braga, Portugal, June 21-25, 2010. Proceedings. *Lecture Notes in Computer Science* **6128**, pages 43–62. Springer (2010) doi: 10.1007/978-3-642-13675-7_5 [Outstanding paper award of the conference]
- [86] Antti Valmari & Giuliana Franceschinis: Simple $O(m \log n)$ Time Markov Chain Lumping. Javier Esparza & Rupak Majumdar (ed.) Tools and Algorithms for the Construction and Analysis of Systems, 16th International Conference, TACAS 2010, Paphos, Cyprus, March 20-28, 2010. Proceedings. *Lecture Notes in Computer Science* **6015**, pages 38–52. Springer (2010) doi: 10.1007/978-3-642-12002-2_4
- [85] Antti Valmari: Software model checking is a rich research field. *Software Tools for Technology C2 Transfer* **11**(1):1–11 (2009) doi: 10.1007/s10009-008-0089-7

- [84] Antti Valmari: Bisimilarity Minimization in $O(m \log n)$ Time. Giuliana Franceschinis & Karsten A4 Wolf (ed.) Applications and Theory of Petri Nets, 30th International Conference, PETRI NETS 2009, Paris, France, June 22-26, 2009. Proceedings. *Lecture Notes in Computer Science* **5606**, pages 123–142. Springer (2009) doi: 10.1007/978-3-642-02424-5_9
- [83] Jaco Geldenhuys & Henri Hansen & Antti Valmari: Exploring the Scope for Partial Order Reduc- A4 tion. Zhiming Liu & Anders P. Ravn (ed.) Automated Technology for Verification and Analysis, 7th International Symposium, ATVA 2009, Macao, China, October 14-16, 2009. Proceedings. *Lecture Notes in Computer Science* **5799**, pages 39–53. Springer (2009) doi: 10.1007/978-3-642-04761-9_4
- [82] Mikko Tiusanen & Antti Valmari: Good to Know about the Efficiency of State Space Methods. A4 Jari Peltonen (ed.) Proceedings of 11th Symposium on Programming Languages and Software Tools and 7th Nordic Workshop on Model Driven Software Engineering. *Department of Software Systems, Report* **5**, pages 147–161. Tampere University of Technology (2009)
- [81] Antti Jääskeläinen & Antti Kervinen & Mika Katara & Antti Valmari & Heikki Virtanen: Synthe- A4 sizing Test Models from Test Cases. Hana Chockler & Alan J. Hu (ed.) Hardware and Software: Verification and Testing, 4th International Haifa Verification Conference, HVC 2008, Haifa, Israel, October 27-30, 2008. Proceedings. *Lecture Notes in Computer Science* **5394**, pages 179–193. Springer (2009) doi: 10.1007/978-3-642-01702-5_18
- [80] Antti Valmari & Petri Lehtinen: Efficient Minimization of DFAs with Partial Transition Functions. A4 Susanne Albers & Pascal Weil (ed.) STACS 2008, 25th Annual Symposium on Theoretical Aspects of Computer Science, Bordeaux, France, February 21-23, 2008, Proceedings. *LIPICs* **1**, pages 645–656. Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, Germany (2008) doi: 10.4230/LIPICs.STACS.2008.1328
- [79] Antti Valmari & Antero Kangas: Cut States and Elusive Actions (Extended Abstract). Michael B2 Goldsmith & Bill Roscoe (ed.) AVOCS '07, Seventh International Workshop on Automated Verification of Critical Systems, Oxford, UK, Sept. 10-12, 2007. Pages 9–13. (2007) [One of four 1-hour invited talks]
- [78] Lars Michael Kristensen & Karsten Schmidt & Antti Valmari: Question-guided stubborn set meth- A1 ods for state properties. *Formal Methods in System Design* **29**(3):215–251 (2006) doi: 10.1007/s10703-006-0006-1
- [77] Antti Valmari: Teaching Concepts of Compositional Concurrency with State Machines. Søren B3 Christensen & Luis Gomes (ed.) Proceedings of the Workshop on Teaching Concurrency (TeaConc '2006), Turku, Finland, June 27, 2006. Pages 41–55. Åbo Akademi and TUCS (2006)
- [76] Antti Valmari: Teaching mathematically demanding computer science topics to software engi- B2 neering students: Is there any reason? Is there any hope? Søren Christensen & Luis Gomes (ed.) Proceedings of the Workshop on Teaching Concurrency (TeaConc '2006), Turku, Finland, June 27, 2006. Pages 1–8. Åbo Akademi and TUCS (2006) [One of two invited talks]

- [75] Antti Valmari: What the small Rubik's cube taught me about data structures, information theory, **A1** and randomisation. *Software Tools for Technology Transfer* **8**(3):180–194 (2006) doi: 10.1007/s10009-005-0191-z [The invited talk at TACAS 2004]
- [74] Henri Hansen & Antti Valmari: Operational Determinism and Fast Algorithms. Christel Baier **A4** & Holger Hermanns (ed.) CONCUR 2006 - Concurrency Theory, 17th International Conference, CONCUR 2006, Bonn, Germany, August 27-30, 2006, Proceedings. *Lecture Notes in Computer Science* **4137**, pages 188–202. Springer (2006) doi: 10.1007/11817949_13
- [73] Antti Valmari (ed.) Model Checking Software, 13th International SPIN Workshop, Vienna, Austria, March 30 - April 1, 2006, Proceedings. *Lecture Notes in Computer Science* **3925** X+307 pages. Springer (2006) ISBN: 3-540-33102-6
- [72] Antti Valmari: A Modern Mathematical Theory of Co-operating State Machines. Seppo Hassi & **B3** Veikko Keränen & Carl-Gustav Källman & Matti Laaksonen & Matti Linna (ed.) Proceedings of the Algorithmic Information Theory Conference, Vaasa, Finland, May 16-18, 2005. *Proceedings of the University of Vaasa, Reports* **124**, pages 201–214. (2005) ISBN: 952-476-124-6
- [71] Jaco Geldenhuys & Antti Valmari: More efficient on-the-fly LTL verification with Tarjan's algorithm. *Theoretical Computer Science* **345**(1):60–82 (2005) doi: 10.1016/j.tcs.2005.07.004
- [70] Timo Kellomäki & Antti Valmari: A Method for Analysing the Performance of Certain Testing **A4** Techniques for Concurrent Systems. Jörg Desel & Yosinori Watanabe (ed.) Fifth International Conference on Application of Concurrency to System Design (ACSD 2005), 6-9 June 2005, St. Malo, France. Pages 154–163. IEEE Computer Society (2005) doi: 10.1109/ACSD.2005.1
- [69] Heikki Virtanen & Henri Hansen & Antti Valmari & Juha Nieminen & Timo Erkkilä: Tampere **A4** Verification Tool. Kurt Jensen & Andreas Podelski (ed.) Tools and Algorithms for the Construction and Analysis of Systems, 10th International Conference, TACAS 2004, Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2004, Barcelona, Spain, March 29 - April 2, 2004, Proceedings. *Lecture Notes in Computer Science* **2988**, pages 153–157. Springer (2004) doi: 10.1007/978-3-540-24730-2_12
- [68] Jaco Geldenhuys & Antti Valmari: Tarjan's Algorithm Makes On-the-Fly LTL Verification More **A4** Efficient. Kurt Jensen & Andreas Podelski (ed.) Tools and Algorithms for the Construction and Analysis of Systems, 10th International Conference, TACAS 2004, Held as Part of the Joint European Conferences on Theory and Practice of Software, ETAPS 2004, Barcelona, Spain, March 29 - April 2, 2004, Proceedings. *Lecture Notes in Computer Science* **2988**, pages 205–219. Springer (2004) doi: 10.1007/978-3-540-24730-2_18
- [67] Antti Valmari: Software Mathematics as a Course Topic. Jaakko Kurhila (ed.) Kolin Kolistelut – **B3** Koli Calling 2003, Proc. Third Finnish / Baltic Sea Conference on Computer Science Education, Oct. 3-5, 2003 Koli, Finland. Pages 101–109. Helsinki University Printing House (2003)
- [66] Antero Kangas & Antti Valmari: Verification with the Undefined: A New Look. Thomas Arts & **A4** Wan Fokkink (ed.) Proc. Eighth International Workshop on Formal Methods for Industrial Critical Systems (FMICS'03), Røros, Norway, June 5-7, 2003, ERCIM. *Electronic Notes in Theoretical Computer Science* **80**:124–139 (2003) doi: 10.1016/S1571-0661(04)80813-2

- [65] Henri Hansen & Heikki Virtanen & Antti Valmari: Merging State-Based and Action-Based Verification. Johan Lilius & Felice Balarin (ed.) 3rd International Conference on Application of Concurrency to System Design (ACSD 2003), 18-20 June 2003, Guimaraes, Portugal. Pages 150–156. IEEE Computer Society (2003) doi: 10.1109/CSD.2003.1207709
- [64] Jaco Geldenhuys & Antti Valmari: A Nearly Memory-Optimal Data Structure for Sets and Mappings. Thomas Ball & Sriram K. Rajamani (ed.) Model Checking Software, 10th International SPIN Workshop. Portland, OR, USA, May 9-10, 2003, Proceedings. *Lecture Notes in Computer Science* **2648**, pages 136–150. Springer (2003) doi: 10.1007/3-540-44829-2_9
- [63] Henri Hansen & Wojciech Penczek & Antti Valmari: Stuttering-Insensitive Automata for On-the-fly Detection of Livelock Properties. Rance Cleaveland & Hubert Garavel (ed.) FMICS’02, 7th International ERCIM Workshop on Formal Methods for Industrial Critical Systems, University of Malaga, Spain, 12-13 July 2002. *Electronic Notes in Theoretical Computer Science* **66(2)**:178–193 (2002) doi: 10.1016/S1571-0661(04) 80411-0
- [62] Antti Valmari & Heikki Virtanen & Antti Puhakka: Context-Sensitive Visibility. Rance Cleaveland & Hubert Garavel (ed.) FMICS’02, 7th International ERCIM Workshop on Formal Methods for Industrial Critical Systems, University of Malaga, Spain, 12-13 July 2002. *Electronic Notes in Theoretical Computer Science* **66(2)**:194–210 (2002) doi: 10.1016/S1571-0661(04)80412-2
- [61] Antti Valmari & Antti Kervinen: Alphabet-Based Synchronisation is Exponentially Cheaper. Lubos Brim & Petr Jancar & Mojmir Kretínský & Antonín Kucera (ed.) CONCUR 2002 - Concurrency Theory, 13th International Conference, Brno, Czech Republic, August 20-23, 2002, Proceedings. *Lecture Notes in Computer Science* **2421**, pages 161–176. Springer (2002) doi: 10.1007/3-540-45694-5_12
- [60] Doron A. Peled & Antti Valmari & Ilkka Kokkarinen: Relaxed Visibility Enhances Partial Order Reduction. *Formal Methods in System Design* **19(3)**:275–289 (2001) doi: 10.1023/A:1011202615884
- [59] Antti Puhakka & Antti Valmari: Liveness and Fairness in Process-Algebraic Verification. Kim Guldstrand Larsen & Mogens Nielsen (ed.) CONCUR 2001 - Concurrency Theory, 12th International Conference, Aalborg, Denmark, August 20-25, 2001, Proceedings. *Lecture Notes in Computer Science* **2154**, pages 202–217. Springer (2001) doi: 10.1007/3-540-44685-0_14
- [58] Jaco Geldenhuys & Antti Valmari: Techniques for Smaller Intermediary BDDs. Kim Guldstrand Larsen & Mogens Nielsen (ed.) CONCUR 2001 - Concurrency Theory, 12th International Conference, Aalborg, Denmark, August 20-25, 2001, Proceedings. *Lecture Notes in Computer Science* **2154**, pages 233–247. Springer (2001) doi: 10.1007/3-540-44685-0_16
- [57] Antti Kervinen & Antti Valmari & Risto Järnström: Debugging a Real-life Protocol with CFFD-Based Verification Tools. Stefania Gnesi & Ulrich Ultes-Nitsche (ed.) FMICS 2001, 6th International Workshop on Formal Methods for Industrial Critical Systems, Paris, 16-17 July 2001. Pages 13–27. INRIA (2001)

- [56] Alex Yakovlev & Antti Valmari: Message from the Programme Chairs. ICACSD 2001, 2nd IEEE **C2** International Conference on Application of Concurrency to System Design, Newcastle upon Tyne, U.K., 25-29 June. Pages vii–viii. IEEE Computer Society (2001)
- [55] Antti Valmari: Composition and Abstraction. Franck Cassez & Claude Jard & Brigitte Rozoy & **B2** Mark Dermot Ryan (ed.) Modeling and Verification of Parallel Processes, 4th Summer School, MOVEP 2000, Nantes, France, June 19-23, 2000. *Lecture Notes in Computer Science* **2067**, pages 58–98. Springer (2001) doi: 10.1007/3-540-45510-8_3 [Invited tutorial]
- [54] Antti Valmari: A Chaos-Free Failures Divergences Semantics with Applications to Verification. **B2** Jim Davies & Bill Roscoe & Jim Woodcock (ed.) Millennial Perspectives in Computer Science: Proceedings of the 1999 Oxford–Microsoft Symposium in honour of Sir Tony Hoare. *Cornerstones of Computing* pages 365–382. Palgrave (2000) ISBN: 9780333922309 [There were 36 talks, all of them invited by the organisers]
- [53] Lars Michael Kristensen & Antti Valmari: Improved Question-Guided Stubborn Set Methods for **A4** State Properties. Mogens Nielsen & Dan Simpson (ed.) Application and Theory of Petri Nets 2000, 21st International Conference, Aarhus, Denmark, June 26-30, 2000, Proceedings. *Lecture Notes in Computer Science* **1825**, pages 282–302. Springer-Verlag (2000) doi: 10.1007/3-540-44988-4_17
- [52] Antti Niemistö & Olli Yli-Harja & Antti Valmari & Pertti Koivisto & Ilya Shmulevich: Reduction **A4** factors in finite automata with application to nonlinear filters. 10th European Signal Processing Conference, EUSIPCO 2000, Tampere, Finland, September 4-8, 2000. Pages 1–4. IEEE (2000) http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=7075754
- [51] Antti Puhakka & Antti Valmari: Livelocks, Fairness and Protocol Verification. Proceedings of **A4** Conference on Software: Theory and Practice, ICS2000, IFIP 16th World Computer Congress 2000, Beijing, China, August 21-25. Pages 471–479. (2000)
- [50] Juhana Helovuo & Antti Valmari: Checking for CFFD-Preorder with Tester Processes. Susanne **A4** Graf & Michael I. Schwartzbach (ed.) Tools and Algorithms for Construction and Analysis of Systems, 6th International Conference, TACAS 2000, Held as Part of the European Joint Conferences on the Theory and Practice of Software, ETAPS 2000, Berlin, Germany, March 25 - April 2, 2000, Proceedings. *Lecture Notes in Computer Science* **1785**, pages 283–298. Springer (2000) doi: 10.1007/3-540-46419-0_20
- [49] Antti Puhakka & Antti Valmari: Weakest-Congruence Results for Livelock-Preserving Equiva- **A4** lences. Jos C. M. Baeten & Sjouke Mauw (ed.) CONCUR '99: Concurrency Theory, 10th International Conference, Eindhoven, The Netherlands, August 24-27, 1999, Proceedings. *Lecture Notes in Computer Science* **1664**, pages 510–524. Springer (1999) doi: 10.1007/3-540-48320-9_35
- [48] Antti Valmari & Ilkka Kokkarinen: Unbounded Verification Results by Finite-State Compositional **A4** Techniques: 10^{any} States and Beyond. 1st International Conference on Application of Concurrency to System Design (ACSD '98), 23-26 March 1998, Fukushima, Japan. Pages 75–85. IEEE Computer Society (1998) doi: 10.1109/CSD.1998.657541 [Best paper award of the conference]

- [47] Lars Michael Kristensen & Antti Valmari: Finding Stubborn Sets of Coloured Petri Nets Without **A4** Unfolding. Jörg Desel & Manuel Silva Suárez (ed.) Application and Theory of Petri Nets 1998, 19th International Conference, ICATPN '98, Lisbon, Portugal, June 22-26, 1998, Proceedings. *Lecture Notes in Computer Science* **1420**, pages 104–123. Springer (1998) doi: 10.1007/3-540-69108-1_7
- [46] Antti Valmari: The State Explosion Problem. Wolfgang Reisig & Grzegorz Rozenberg (ed.) **B2** Lectures on Petri Nets I: Basic Models, Advances in Petri Nets, the volumes are based on the Advanced Course on Petri Nets, held in Dagstuhl, September 1996. *Lecture Notes in Computer Science* **1491**, pages 429–528. Springer (1998) doi: 10.1007/3-540-65306-6_21 [Invited tutorial]
- [45] Jaana Eloranta & Martti Tienari & Antti Valmari: Essential Transitions to Bisimulation Equiva- **A1** lences. *Theoretical Computer Science* **179**(1-2):397–419 (1997) doi: 10.1016/S0304-3975(96)00281-2
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