1 Introduction

Here I will attempt to cite a paper [10].

2 Publications

Journal Articles

[1] Saswat Anand et al. "An Orchestrated Survey on Automated Software Test Case Generation". In: *Journal of Systems and Software* 86.8 (Aug. 2013), pp. 1978–2001.

[2] Earl T. Barr et al. "The Oracle Problem in Software Testing: A Survey". In: *IEEE Transactions on Software Engineering* (Accepted subject to minor revisions).

[3] Gordon Fraser, Andrea Arcuri, and Phil McMinn. "A Memetic Algorithm for Whole Test Suite Generation". In: *Journal of Systems and Software* (Accepted subject to minor revisions).

[4] Gordon Fraser, Andrea Arcuri, and Phil McMinn. "A Memetic Algorithm for Whole Test Suite Generation". In: *Journal of Systems and Software* (To Appear).

[5] Gordon Fraser et al. "Does Automated Unit Test Generation Really Help Software Testers? A Controlled Empirical Study". In: *ACM Transactions on Software Engineering Methodology* (To Appear).

[6] Mark Harman and Phil McMinn. "A Theoretical and Empirical Study of Search Based Testing: Local, Global and Hybrid Search". In: *IEEE Transactions on Software Engineering* 36.2 (Mar. 2010), pp. 226–247.

[7] Mike Holcombe et al. "Modelling complex biological systems using an agent-based approach". In: *Integrative Biology* 4.1 (2012), pp. 53–64.

[8] Mariam Kiran et al. "Validation and Discovery from Computational Biology Models". In: *BioSystems* 93.1–2 (July 2008), pp. 141–150.

[9] Kiran Lakhotia, Phil McMinn, and Mark Harman. "An Empirical Investigation Into Branch Coverage for C Programs Using CUTE and AUSTIN". In: *Journal of Systems and Software* 83.12 (Dec. 2010), pp. 2379–2391.

[10] Phil McMinn. "An Identification of Program Factors that Impact Crossover Performance in Evolutionary Test Input Generation for the Branch Coverage of C Programs". In: *Information and Software Technology* 55.1 (Jan. 2013), pp. 153–172.

[11] Phil McMinn. "Search-Based Software Test Data Generation: A Survey". In: *Software Testing, Verification and Reliability* 14.2 (June 2004), pp. 105–156.

[12] Phil McMinn, David Binkley, and Mark Harman. "Empirical Evaluation of a Nesting Testability Transformation for Evolutionary Testing". In: *ACM Transactions on Software Engineering Methodology* 18.3 (May 2009), 11:1–11:27.

[13] Phil McMinn and Mike Holcombe. "Evolutionary Testing Using an Extended Chaining Approach". In: *Evolutionary Computation* 14.1 (Mar. 2006), pp. 41–64.

[14] Phil McMinn et al. "Input Domain Reduction through Irrelevant Variable Removal and its Effect on Local, Global and Hybrid Search-Based Structural Test Data Generation". In: *IEEE Transactions on Software Engineering* 38.2 (Mar. 2012), pp. 453–477.

[15] Tao Sun et al. "Agent Based Modelling Helps in Understanding the Rules by Which Fibroblasts Support Keratinocyte Colony Formation". In: *PLoS ONE* 3.5 (2008).

[16] Tao Sun et al. "An Integrated Systems Biology Approach to Understanding the Rules of Keratinocyte Colony Formation". In: *Journal of the Royal Society Interface* 4.17 (2007), pp. 1077–1092.

Conference Proceedings

[17] Salem Adra and Phil McMinn. "Mutation Operators for Agent-Based Models". In: *International Workshop on Mutation Analysis (Mutation 2010)*. Paris, France: IEEE, June 2010, pp. 151–156.

[18] Salem Adra et al. "A Multiobjective Optimisation Approach for Dynamic Inference and Refinement of Agent-Based Model Specifications". In: *Congress on Evolutionary Computation (CEC 2011)*. New Orleans, USA: IEEE, May 2011, pp. 2237–2244.

[19] Sheeva Afshan and Phil McMinn. "An Investigation into Qualitative Human Oracle Costs". In: *Psychology of Programming Interest Group Annual Workshop (PPIG 2011)*. York, UK, June 2011.

[20] Sheeva Afshan, Phil McMinn, and Mark Stevenson. "Evolving Readable String Test Inputs Using a Natural Language Model to Reduce Human Oracle Cost". In: *International Conference on Software Testing, Verification and Validation (ICST 2013)*. Luxembourg: IEEE, Mar. 2013.

[21] Arthur Baars et al. "Symbolic Search-Based Testing". In: *International Conference on Automated Software Engineering (ASE 2011)*. Lawrence, Kansas, USA: IEEE, June 2011, pp. 53–62.

[22] Gordon Fraser, Phil McMinn, and Andrea Arcuri. "Test Suite Generation with Memetic Algorithms". In: *Genetic and Evolutionary Computation Conference (GECCO 2013)*. ACM, 2013.

[23] Gordon Fraser et al. “Does Automated White-Box Test Generation Really Help Software Testers?” In: *International Symposium on Software Testing and Analysis (ISSTA 2013)*. ACM, 2013, pp. 291–301.

[24] Mathew Hall, Phil McMinn, and Neil Walkinshaw. “Superstate Identification for State Machines Using Search-Based Clustering”. In: *Genetic and Evolutionary Computation Conference (GECCO 2010)*. Portland, Oregon, USA: ACM, July 2010, pp. 1381–1388.

[25] Mathew Hall, Neil Walkinshaw, and Phil McMinn. “Supervised Software Modularisation”. In: *International Conference on Software Maintenance (ICSM 2012)*. Riva del Garda, Trento, Italy: IEEE, Sept. 2012, pp. 472–481.

[26] Mathew Hall et al. “Establishing the Source Code Disruption Caused by Automated Remodularisation Tools”. In: *International Conference on Software Maintenance and Evolution (ICSME 2014)*. IEEE Computer Society, 2014, pp. 466–470.

[27] Mark Harman, Kiran Lakhotia, and Phil McMinn. “A Multi-Objective Approach to Search-Based Test Data Generation”. In: *Genetic and Evolutionary Computation Conference (GECCO 2007)*. London, UK: ACM, July 2007, pp. 1098–1105.

[28] Mark Harman and Phil McMinn. “A Theoretical and Empirical Analysis of Evolutionary Testing and Hill Climbing for Structural Test Data Generation”. In: *International Symposium on Software Testing and Analysis (ISSTA 2007)*. London, UK: ACM, Sept. 2007, pp. 73–83.

[29] Mark Harman et al. “Optimizing for the Number of Tests Generated in Search Based Test Data Generation with an Application to the Oracle Cost Problem”. In: *International Workshop on Search-Based Software Testing (SBST 2010)*. Paris, France: IEEE, June 2010, pp. 182–191.

[30] Mark Harman et al. “The Impact of Input Domain Reduction on Search-Based Test Data Generation”. In: *Joint meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE 2007)*. Cavtat, Croatia: ACM, Mar. 2007, pp. 155–164.

[31] Gregory M. Kapfhammer, Phil McMinn, and Chris J. Wright. “Search-Based Testing of Relational Schema Integrity Constraints Across Multiple Database Management Systems”. In: *International Conference on Software Testing, Verification and Validation (ICST 2013)*. Luxembourg: IEEE, Mar. 2013.

[32] Joseph Kempka, Phil McMinn, and Dirk Sudholt. “A Theoretical Runtime and Empirical Analysis of Different Alternating Variable Searches for Search-Based Testing”. In: *Genetic and Evolutionary Computation Conference (GECCO 2013)*. ACM, 2013.

[33] Kiran Lakhotia, Mark Harman, and Phil McMinn. "Handling Dynamic Data Structures in Search-Based Testing". In: *Genetic and Evolutionary Computation Conference (GECCO 2008)*. Atlanta, Georgia, USA: ACM, Dec. 2008, pp. 1759–1766.

[34] Kiran Lakhotia, Phil McMinn, and Mark Harman. "Automated Test Data Generation for Coverage: Haven't We Solved This Problem Yet?" In: *Testing: Academic and Industrial Conference – Practice And Research Techniques (TAIC PART 2009)*. Windsor, UK: IEEE, Apr. 2009, pp. 95–104.

[35] Phil McMinn. "How Does Program Structure Impact the Effectiveness of the Crossover Operator in Evolutionary Testing?" In: *International Symposium on Search-Based Software Engineering (SSBSE 2010)*. Benevento, Italy: IEEE, July 2010, pp. 9–18.

[36] Phil McMinn. "Search-Based Failure Discovery using Testability Transformations to Generate Pseudo-Oracles". In: *Genetic and Evolutionary Computation Conference (GECCO 2009)*. Montreal, Canada: ACM Press, Aug. 2009, pp. 1689–1696.

[37] Phil McMinn. "Search-Based Software Testing: Past, Present and Future". In: *International Workshop on Search-Based Software Testing (SBST 2011)*. Berlin, Germany: IEEE, Mar. 2011, pp. 153–163.

[38] Phil McMinn, David Binkley, and Mark Harman. "Testability Transformation for Efficient Automated Test Data Search in the Presence of Nesting". In: *UK Software Testing Workshop (UKTest 2005)*. University of Sheffield, UK, May 2005, pp. 165–182.

[39] Phil McMinn and Mike Holcombe. "Evolutionary Testing of State-Based Programs". In: *Genetic and Evolutionary Computation Conference (GECCO 2005)*. Washington DC, USA: ACM, June 2005, pp. 1013–1020.

[40] Phil McMinn and Mike Holcombe. "Hybridizing Evolutionary Testing with the Chaining Approach". In: *Genetic and Evolutionary Computation Conference (GECCO 2004)*. Vol. 3103. Lecture Notes in Computer Science. Seattle, Washington, USA: Springer, June 2004, pp. 1363–1374.

[41] Phil McMinn and Mike Holcombe. "The State Problem for Evolutionary Testing". In: *Genetic and Evolutionary Computation Conference (GECCO 2003)*. Vol. 2724. Lecture Notes in Computer Science. Chicago, Illinois, USA: Springer, Dec. 2003, pp. 2488–2500.

[42] Phil McMinn, Muzammil Shahbaz, and Mark Stevenson. "Search-Based Test Input Generation for String Data Types Using the Results of Web Queries". In: *International Conference on Software Testing, Verification and Validation (ICST 2012)*. Montreal: IEEE, Apr. 2012, pp. 141–150.

[43] Phil McMinn, Mark Stevenson, and Mark Harman. "Reducing Qualitative Human Oracle Costs associated with Automatically Generated Test Data". In: *International Workshop on Software Test Output Validation (STOV 2010)*. Trento, Italy: ACM, July 2010, pp. 1–4.

[44] Phil McMinn et al. “The Species per Path Approach to Search-Based Software Test Data Generation”. In: *International Symposium on Software Testing and Analysis (ISSTA 2006)*. Portland, Maine, USA: ACM, July 2006, pp. 13–24.

[45] Muzammil Shahbaz, Phil McMinn, and Mark Stevenson. “Automated Discovery of Valid Test Strings from the Web using Dynamic Regular Expressions Collation and Natural Language Processing”. In: *International Conference on Quality Software (QSIC 2012)*. Xi’an, China: IEEE, Aug. 2012, pp. 79–88.

[46] Sina Shamshiri et al. “Search-Based Propagation of Regression Faults in Automated Regression Testing”. In: *International Workshop on Regression Testing (Regression 2013)*. Luxembourg: IEEE, Mar. 2013.

[47] Neil Walkinshaw, Sheeva Afshan, and Phil McMinn. “Using Compression Algorithms to Support the Comprehension of Program Traces”. In: *International Workshop on Dynamic Analysis (WODA 2010)*. Trento, Italy: ACM, Dec. 2010, pp. 8–13.

[48] Chris J. Wright, Gregory M. Kapfhammer, and Phil McMinn. “Efficient Mutation Analysis of Relational Database Structure Using Mutant Schemata and Parallelisation”. In: *International Workshop on Mutation Analysis (Mutation 2013)*. Luxembourg: IEEE, Mar. 2013.

[49] Chris J. Wright, Gregory M. Kapfhammer, and Phil McMinn. “The Impact Of Equivalent, Redundant And Quasi Mutants On Database Schema Mutation Analysis”. In: *International Conference on Quality Software (QSIC 2014)*. IEEE Computer Society, 2014, To Appear.

[50] Chris J. Wright, Phil McMinn, and Julio Gallardo. “Towards the Automatic Identification of Faulty Multi-Agent Based Simulation Runs Using MASTER”. In: *Multi-Agent-Based Simulation XIII – International Workshop on Multi-Agent Simulation (MABS 2012)*. Vol. 7838. Lecture Notes in Artificial Intelligence. Springer, 2013, pp. 153–172.