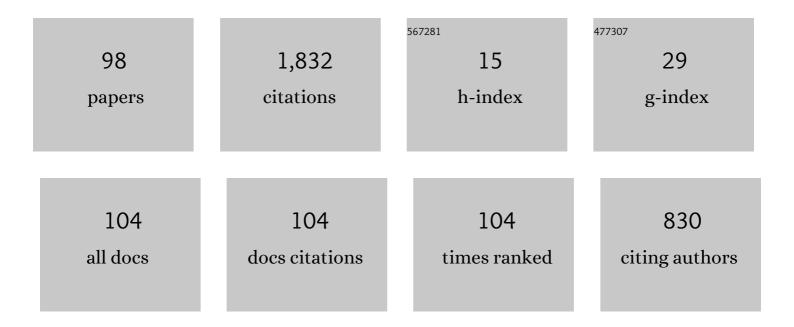
Sebastian Uchitel

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Control and Discovery of Environment Behaviour. IEEE Transactions on Software Engineering, 2022, 48, 1965-1978. | 5.6 | 1 |
| 2 | Enabledness-based Testing of Object Protocols. ACM Transactions on Software Engineering and Methodology, 2021, 30, 1-36. | 6.0 | 1 |
| 3 | Synthesis of Run-To-Completion Controllers for Discrete Event Systems. , 2021, , . | | 0 |
| 4 | Assumption Monitoring Using Runtime Verification for UAV Temporal Task Plan Executions. , 2021, , . | | 10 |
| 5 | Assured Mission Adaptation of UAVs. ACM Transactions on Autonomous and Adaptive Systems, 2021, 16, 1-27. | 0.8 | 0 |
| 6 | Adaptation ² : Adapting Specification Learners in Assured Adaptive Systems. , 2021, , . | | 3 |
| 7 | Dynamic Update of Discrete Event Controllers. IEEE Transactions on Software Engineering, 2020, 46, 1220-1240. | 5.6 | 13 |
| 8 | Compositional Supervisory Control via Reactive Synthesis and Automated Planning. IEEE Transactions on Automatic Control, 2020, 65, 3502-3516. | 5.7 | 3 |
| 9 | Dynamic Reconfiguration of Business Processes. Lecture Notes in Computer Science, 2019, , 35-51. | 1.3 | 3 |
| 10 | Using contexts to extract models from code. Software and Systems Modeling, 2017, 16, 523-557. | 2.7 | 13 |
| 11 | Interaction Models and Automated Control under Partial Observable Environments. IEEE Transactions on Software Engineering, 2017, 43, 19-33. | 5.6 | 10 |
| 12 | An Extended Description of MORPH: A Reference Architecture for Configuration and Behaviour Self-Adaptation. Lecture Notes in Computer Science, 2017, , 377-408. | 1.3 | 5 |
| 13 | Behaviour abstraction adequacy criteria for API call protocol testing. Software Testing Verification and Reliability, 2016, 26, 211-244. | 2.0 | 2 |
| 14 | 2¼-player generalized reactivity (1) games. , 2016, , . | | 0 |
| 15 | Directed Controller Synthesis of discrete event systems: Taming composition with heuristics. , 2016, , . | | 9 |
| 16 | Risk-driven revision of requirements models. , 2016, , . | | 8 |
| 17 | Logic-based learning in software engineering. , 2016, , . | | 1 |
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18 Runtime controller synthesis for self-adaptation. , 2016, , .

3

| # | Article | IF | CITATIONS |
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| 19 | Probabilistic Interface Automata. IEEE Transactions on Software Engineering, 2016, 42, 843-865. | 5.6 | Ο |
| 20 | Robust degradation and enhancement of robot mission behaviour in unpredictable environments. , 2015, , . | | 3 |
| 21 | MORPH: a reference architecture for configuration and behaviour self-adaptation. , 2015, , . | | 45 |
| 22 | Automated support for diagnosis and repair. Communications of the ACM, 2015, 58, 65-72. | 4.5 | 14 |
| 23 | Controllability in Partial and Uncertain Environments. , 2014, , . | | 3 |
| 24 | Hope for the best, prepare for the worst: multi-tier control for adaptive systems. , 2014, , . | | 51 |
| 25 | Automated goal operationalisation based on interpolation and SAT solving. , 2014, , . | | 14 |
| 26 | Revisiting Compatibility of Input-Output Modal Transition Systems. Lecture Notes in Computer Science, 2014, , 367-381. | 1.3 | 1 |
| 27 | Supporting incremental behaviour model elaboration. Computer Science - Research and Development, 2013, 28, 279-293. | 2.7 | 12 |
| 28 | Behaviour Abstraction Coverage as Black-Box Adequacy Criteria. , 2013, , . | | 4 |
| 29 | Synthesizing Modal Transition Systems from Triggered Scenarios. IEEE Transactions on Software Engineering, 2013, 39, 975-1001. | 5.6 | 18 |
| 30 | Elaborating Requirements Using Model Checking and Inductive Learning. IEEE Transactions on Software Engineering, 2013, 39, 361-383. | 5.6 | 22 |
| 31 | Synthesizing nonanomalous event-based controllers for liveness goals. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-36. | 6.0 | 48 |
| 32 | Enabledness-based program abstractions for behavior validation. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-46. | 6.0 | 13 |
| 33 | Automated reliability estimation over partial systematic explorations. , 2013, , . | | 4 |
| 34 | Merging Partial Behaviour Models with Different Vocabularies. Lecture Notes in Computer Science, 2013, , 91-105. | 1.3 | 10 |
| 35 | Weak Alphabet Merging of Partial Behavior Models. ACM Transactions on Software Engineering and Methodology, 2012, 21, 1-47. | 6.0 | 22 |
| 36 | Generating obstacle conditions for requirements completeness. , 2012, , . | | 21 |

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| 37 | Automated Abstractions for Contract Validation. IEEE Transactions on Software Engineering, 2012, 38, 141-162. | 5.6 | 29 |
| 38 | Learning from Vacuously Satisfiable Scenario-Based Specifications. Lecture Notes in Computer Science, 2012, , 377-393. | 1.3 | 10 |
| 39 | Integrating Model Checking and Inductive Logic Programming. Lecture Notes in Computer Science, 2012, , 45-60. | 1.3 | 2 |
| 40 | The Modal Transition System Control Problem. Lecture Notes in Computer Science, 2012, , 155-170. | 1.3 | 11 |
| 41 | Distribution of Modal Transition Systems. Lecture Notes in Computer Science, 2012, , 403-417. | 1.3 | 7 |
| 42 | Abstractions for Validation in Action. Lecture Notes in Computer Science, 2012, , 192-218. | 1.3 | 0 |
| 43 | Exploring inconsistencies between modal transition systems. Software and Systems Modeling, 2011, 10, 117-142. | 2.7 | 11 |
| 44 | Contractor.NET. , 2011, , . | | 7 |
| 45 | Synthesis of live behaviour models for fallible domains. , 2011, , . | | 36 |
| 46 | Program abstractions for behaviour validation. , 2011, , . | | 14 |
| 47 | CSSL., 2011,,. | | 6 |
| 48 | Specification and Analysis of Dynamically-Reconfigurable Service Architectures. Lecture Notes in Computer Science, 2011, , 428-446. | 1.3 | 4 |
| 49 | Runtime Support for Dynamic and Adaptive Service Composition. Lecture Notes in Computer Science, 2011, , 585-603. | 1.3 | 4 |
| 50 | An Integrated Workbench for Model-Based Engineering of Service Compositions. IEEE Transactions on Services Computing, 2010, 3, 131-144. | 4.6 | 17 |
| 51 | Synthesis of live behaviour models. , 2010, , . | | 50 |
| 52 | My model checker died!. , 2010, , . | | 8 |
| 53 | Validation of contracts using enabledness preserving finite state abstractions. , 2009, , . | | 13 |
| 54 | Probabilistic environments in the quantitative analysis of (non-probabilistic) behaviour models. , 2009, , . | | 9 |

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| 55 | Towards accurate probabilistic models using state refinement. , 2009, , . | | 2 |
| 56 | Synthesis of Partial Behavior Models from Properties and Scenarios. IEEE Transactions on Software Engineering, 2009, 35, 384-406. | 5.6 | 96 |
| 57 | A Sound Observational Semantics for Modal Transition Systems. Lecture Notes in Computer Science, 2009, , 215-230. | 1.3 | 14 |
| 58 | Engage: Engineering Service Modes with WS-Engineer and Dino. Lecture Notes in Computer Science, 2009, , 641-642. | 1.3 | 0 |
| 59 | Partial Behaviour Modelling: Foundations for Incremental and Iterative Model-Based Software Engineering. Lecture Notes in Computer Science, 2009, , 17-22. | 1.3 | 5 |
| 60 | Towards Self-management in Service-Oriented Computing with Modes. Lecture Notes in Computer Science, 2009, , 338-350. | 1.3 | 3 |
| 61 | Deriving event-based transition systems fromÂgoal-oriented requirements models. Automated Software Engineering, 2008, 15, 175-206. | 2.9 | 62 |
| 62 | Deriving Non-zeno Behavior Models from Goal Models Using ILP. , 2008, , 1-15. | | 4 |
| 63 | MTSA: The Modal Transition System Analyser. , 2008, , . | | 49 |
| 64 | Existential live sequence charts revisited. , 2008, , . | | 37 |
| 65 | On correct and complete strong merging of partial behaviour models. , 2008, , . | | 22 |
| 66 | Towards compositional synthesis of evolving systems. , 2008, , . | | 7 |
| 67 | Towards Faithful Model Extraction Based on Contexts. , 2008, , 101-115. | | 7 |
| 68 | MTSA., 2007,,. | | 12 |
| 69 | Model checking service compositions under resource constraints. , 2007, , . | | 34 |
| 70 | Behaviour Model Synthesis from Properties and Scenarios. Proceedings - International Conference on Software Engineering, 2007, , . | 0.0 | 53 |
| 71 | Detecting Implied Scenarios from Execution Traces. , 2007, , . | | 20 |
| 72 | WS-Engineer: A Model-Based Approach to Engineering Web Service Compositions and Choreography. , 2007, , 87-119. | | 26 |

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| 73 | Modes for Software Architectures. Lecture Notes in Computer Science, 2006, , 113-126. | 1.3 | 40 |
| 74 | Goal and scenario validation: a fluent combination. Requirements Engineering, 2006, 11, 123-137. | 3.1 | 16 |
| 75 | A foundation for behavioural conformance in software product line architectures. , 2006, , . | | 89 |
| 76 | Inferring operational requirements from scenarios and goal models using inductive learning. , 2006, , | | 3 |
| 77 | Properties of Behavioural Model Merging. Lecture Notes in Computer Science, 2006, , 98-114. | 1.3 | 12 |
| 78 | Extracting Requirements from Scenarios with ILP. Lecture Notes in Computer Science, 2006, , 64-78. | 1.3 | 8 |
| 79 | Sensitivity analysis for a scenario-based reliability prediction model. , 2005, , . | | 9 |
| 80 | Leveraging Eclipse for integrated model-based engineering of web service compositions. , 2005, , . | | 4 |
| 81 | Monitoring and control in scenario-based requirements analysis. , 2005, , . | | 35 |
| 82 | Fluent temporal logic for discrete-time event-based models. , 2005, , . | | 16 |
| 83 | Introduction to doctoral symposium. , 2005, , . | | Ο |
| 84 | Sensitivity analysis for a scenario-based reliability prediction model. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2005, 30, 1-5. | 0.7 | 2 |
| 85 | Reliability Prediction in Model-Driven Development. Lecture Notes in Computer Science, 2005, , 339-354. | 1.3 | 27 |
| 86 | Using Scenarios to Predict the Reliability of Concurrent Component-Based Software Systems. Lecture Notes in Computer Science, 2005, , 111-126. | 1.3 | 62 |
| 87 | Merging partial behavioural models. , 2004, , . | | 54 |
| 88 | Incremental elaboration of scenario-based specifications and behavior models using implied scenarios. ACM Transactions on Software Engineering and Methodology, 2004, 13, 37-85. | 6.0 | 136 |
| 89 | Merging partial behavioural models. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2004, 29, 43-52. | 0.7 | 27 |
| 90 | Predictable Dynamic Plugin Systems. Lecture Notes in Computer Science, 2004, , 129-143. | 1.3 | 17 |

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| 91 | A summary of the second ICSE 2003 workshop on. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2003, 28, 9-9. | 0.7 | Ο |
| 92 | Behaviour model elaboration using partial labelled transition systems. , 2003, , . | | 21 |
| 93 | LTSA-MSC: Tool Support for Behaviour Model Elaboration Using Implied Scenarios. Lecture Notes in Computer Science, 2003, , 597-601. | 1.3 | 26 |
| 94 | Negative scenarios for implied scenario elicitation. , 2002, , . | | 29 |
| 95 | Implied Scenario Detection in the Presence of Behaviour Constraints1 1Partially supported by EPSRC Grant GR/M24493 (BEADS Project) Electronic Notes in Theoretical Computer Science, 2002, 65, 65-84. | 0.9 | 6 |
| 96 | Detecting implied scenarios in message sequence chart specifications. , 2001, , . | | 62 |
| 97 | Proving Deadlock Freedom in Component-Based Programming. Lecture Notes in Computer Science, 2001, , 60-75. | 1.3 | 18 |
| 98 | Towards a Periodic Table of Connectors. Lecture Notes in Computer Science, 1999, , 418-418. | 1.3 | 6 |