个人简历

➢ 个人信息：

- 姓名： 秦胜潮
- 性别：男
- 出生年月：1974 年 8 月
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➢ 高等教育经历：

- 2005—2007： 英国 Durham 大学， 获英国高等教育教学研究生资格证书
- 2002—2004：新加坡国立大学新加坡—麻省理工联盟，博士后研究员
- 1997—2002：北京大学硕博连读，获北大理学博士学位
  博士生指导老师：张乃孝教授，裘宗燕教授，何积丰院士
- 1993—1997：北京大学读本科，获北大信息科学学士并免试直接读研

➢ 研究与工作经历：

- 现职位：
  - 英国 Teesside 大学计算机科学终身正教授（2011 年至今）
  - UK EPSRC Peer Review College Full Member（UK EPSRC 专家委员会委员）（2016 年至今）
  - UKRI FLF Peer Review College Member（UK UKRI 未来领军人才计划专家委员会委员）(2017 年至今)
  - 深圳大学计算机与软件学院访问教授
  - 华为某业务部门顾问
- 曾任职位：
  - 英国 Teesside 大学计算机与数字技术学院副院长（主管科研与创新）(2016-2019)
  - 深圳大学特聘教授、软件理论方向学术带头人（2013-2018）
  - 英国 Teesside 大学计算机学院副教授（Reader）(2010.6.1-2011.5.31)
  - 英国 Durham 大学计算机科学讲师 (2005.1.1-2010.5.31；永久职位)
  - 新加坡国立大学新加坡—麻省理工联盟研究员(2002.7.1-2004.12.31)

- 澳门联合国大学国际软件技术研究所研究学者（1999.9.1-2000.8.31）
- 北京大学数学科学学院助研（2000.9.1-2002.7.1）
- 北京大学数学科学学院助教（1997.9.1—2000.8.31）

➢ 其他荣誉与兼职情况：

- 2012 年入选“北京市海外高层次人才”，同时被聘为“北京市特聘专家”（证书号：BHTO201206068-DQ）
- 2012 年入选北京市海外高层次人才聚集工程（短期项目）
- 英国 Higher Education Academy Fellow
- IEEE Senior Member（高级会员）
- ACM Senior Member（高级会员）
- 2012 年至今担任国际软件形式化工程方法大会（ICFEM）执委
- 2010 年至今担任国际程序设计统一理论大会（UTP）执委
- 2007 年至今担任国际软件工程理论大会（TASE）执委
- 2009 年国际软件工程理论大会程序委员会主席
- 2010 年国际程序设计统一理论大会程序委员会主席
- 2011 年国际软件形式化工程方法大会程序委员会主席
- 2019 年国际软件工程理论大会程序委员会主席
- 2019 年国际软件形式化工程方法大会程序委员会主席
- 担任 60 多次国际会议程序委员会委员（包括 FM，IJCAI，AAAI 等）

➢ 主要研究兴趣与研究领域：

- 计算机软件与理论
- 软件形式化方法
- 程序语言与程序理论
- 程序分析与软件验证
- 软件安全与自动软件测试
- 数字物理融合系统
- 可信人工智能

➢ 研究项目与经费情况：

作为项目负责人主持英国国家（EPSRC）科研项目 2 项、英国创新署（Innovate UK）KTP 项目 1 项（2020.9-2022.11）、中国自然科学基金面上项目 2 项。作为主要参与人参与多项中国自然科学基金（包括国家重点项目一项）。也获得其他各类项目若干项。以下是部分项目信息：

- Innovate UK Knowledge Transfer Partnership Grant, with industrial partner Clinkard Group Ltd. 2020.9.1 – 2022.10.31. Total project value: £190,238. (PI – Academic Lead)
- NSFC 面上项目 61772347: 弱内存程序的形式语义模型及分析与验证技术研究. 2018.1.1 – 2021.12.31. 直接经费 61 万. (PI)
- NSFC 重点项目 61836005：类人任务规划、推理及其验证系统的研究和应用. 2019.1.1 – 2023.12.31. 直接经费 287 万 （主要参与人）
- NSFC 面上项目 61373033: 资源感知的程序逻辑理论及资源安全性推理. 2014.1.1 – 2017.12.31. 75 万元. (PI)
- EPSRC Grant EP/G042322: Inference Mechanisms for a Separation and Numerical Domain. 10/2009–9/2013. Total value: £ 488,899. (PI)
- EPSRC Grant EP/E021948: Resource Analysis and Verification for Dependable Embedded Software. *2.2007-7.2010*. Total value: £ 252,627. (PI)
- Teesside International Visitor Award. £ 4,582. 2011
- EPSRC Doctoral Training Award (10.2009 - 3.2013). £ 64,500. (PI)
- NSFC Grant: Object Encapsulation and Protection in OO: Theories and Techniques. 2008- 2010. CNY 500,000. (Co-I)
- NSFC Grant: Formal Models for Web Service Choreography Description Languages. 2008- 2010. CNY 300,000. (Co-I)
- Durham Doctoral Fellowship Grant. (10.2007-9.2010). £ 73,020. (PI)
- London Mathematical Society Small Grant. £ 500. 2006. (PI)
- NSFC Grant: Real-Time Embedded Systems Design. 2001-2003. CNY 240,000. (Co-I)
- Peking University Grant for Creative Ph.D Thesis Work. 2000-2002. CNY 10,000. (PI)

- 博士后、研究生等人员培养：

共指导近20名博士研究生，其中8名博士生已顺利获得博士学位，其他在读。指导过3名博士后，并担任英国和新加坡博士论文外考官若干次（约克大学、南安普顿大学、南洋理工大学、都柏林三一学院、杜伦大学），2020年9月开始担任曼彻斯特大学计算机科学外考官 (External Examiner)。

- 科研合作单位与个人：

- 新加坡国立大学（Wei-Ngan Chin, Jin Song Dong）
- 新加坡管理大学（Jun Sun）
- 新加坡南洋理工大学（Yang Liu）
- 英国曼彻斯特大学 （Richard Banach）
- 英国南安普顿大学（Michael Butler）
- 瑞典 Uppsala 大学 (Wang Yi)
- 中科院软件所计算机科学国家重点实验室 (Naijun Zhan)
- 北京大学 （Meng Sun, Zongyan Qiu）
- 华东师范大学（Jifeng He, Huibiao Zhu, Geguang Pu）
- 南京大学 (Xin Chen, Xuandong Li)
- 美国麻省理工学院 (Martin Rinard)
- 深圳大学（Zhiwu Xu, Yida Tao, Zhong Ming）

➢ 研究成果：

发表编著5部，国际高水平期刊和会议论文120余篇（包括程序语言、软件工程、形式化方法等方面的顶级国际会议POPL, PLDI, ICSE, FSE, ASE, CAV, FM, TACAS等和著名国际期刊IEEE TSE, SCP, IEEE Trans. Reliability等）。(Google Scholar Page: http://scholar.google.com/citations?user=5ehyiboAAAAJ)

以下是主要论文列表。

- 国际期刊/会议论文：（注：[121,122,123]为已投稿待录用论文）

1. Y. Tao, J. Jiang, Y. Liu, Z. Xu, S. Qin. Understanding Performance Concerns in the API Documentation of Data Science Libraries. The 35th IEEE/ACM International Conference on Automated Software Engineering (**ASE 2020**). 21-25 Sep. 2020, Melbourne, Australia. (**CCF-A**) (通讯作者)
2. C. Wen, H. Wang, Y. Li, S. Qin, Y. Liu, Z. Xu, H. Chen, X. Xie, G. Pu, T. Liu. MemLock: Memory Usage Guided Fuzzing. 42th International Conference on Software Engineering (**ICSE 2020**). 27 June – 19 July 2020. (**CCF-A**)（通讯作者，一作为本人指导的博士生）
3. H. Wang, X. Xie, Y. Li, C. Wen, Y. Li, Y. Liu, S. Qin, H. Chen, Y. Sui. Typestate-Guided Fuzzer for Discovering User-After-Free Vulnerabilities. 42th International Conference on Software Engineering (**ICSE 2020**). 27 June – 19 July 2020. (**CCF-A**)（通讯作者，博士后一作）
4. W. Lv, J. Xiong, J. Shi, Y. Huang, S. Qin. A Deep Convolution Generative Adversarial Networks Based Fuzzing Framework for Industry Control Protocols. Journal of Intelligent Manufacturing. (**SCI-Q2**)
5. C. Huang, X. Chen, E. Tang, M. He, L. Bu, S. Qin, Y. Zeng. Navigating

Discrete Difference Equation Governed WMR by Virtual Linear Leader Guided HMPC. International Conference on Robotics and Automation (ICRA 2020). 31 May - 4 June 2020. Paris, France. (**CCF-B**)

6. W. Xie, H. Zhu, S Qin. An Axiomatic Approach to BigrTiMo. 14th International Symposium on Theoretical Aspects of Software Engineering (TASE2020). 15-17 July 2020.
7. Z. Xu, X. Hu, Y. Tao, S Qin. Analyzing Cryptographic API Usages for Android Applications Using HMM and N-Gram. 14th International Symposium on Theoretical Aspects of Software Engineering (TASE2020). 15-17 July 2020.
8. J. Wang, J. Sun, S. Qin and C. Jegourel. Automatically 'Verifying' Discrete-Time Complex Systems through Learning, Abstraction and Refinement. **IEEE Transactions on Software Engineering.** (**CCF-A; SCI-Q1**) (已在线)
9. Z. Xu, C. Wen and S. Qin. Type Learning for Binaries and its Applications. **IEEE Transactions on Reliability**. 68(3): 893-912 (2019) (**SCI-Q2**)
10. H. Wang, Xie X., S.-W. Lin, Y. Lin, Y. Li, S. Qin, Y. Liu and T. Liu. Locating Vulnerabilities in Binaries via Memory Layout Recovering. The 27th ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (**ESEC/FSE 2019**). Tallinn, Estonia. 26-30 August 2019. (**CCF-A**)(博士后一作)
11. L. H. Pham, Q. L. Le, Q.-S. Phan, J. Sun and S. Qin. Enhancing Symbolic Execution of Heap-based Programs with Separation Logic for Test Input Generation. 17th International Symposium on Automated Technology for Verification and Analysis (**ATVA 2019**), pages 209-227.
12. C. Curry, Q. L. Le, and S. Qin. Bi-Abductive Inference for Shape and Ordering Properties. 24th International Conference on Engineering of Complex Computer Systems (**ICECCS 2019**). Pages: 220-225.
13. Y. Tao, S. Tang, Y. Liu, Z. Xu and S. Qin. How Do API Selections Affect the Runtime Performance of Data Analytics Tasks?. The 34th IEEE/ACM International Conference on Automated Software Engineering (**ASE 2019**) (**CCF-A**)
14. Z. Xu, C. Wen, S. Qin. State-taint analysis for detecting resource bugs. **Science of Computer Programming**. 162:93-109 (2018). Elsevier. (**CCF-B**)
15. L. Shi, Y. Zhao, Y. Liu, J. Sun, J. S. Dong, and S. Qin. A UTP semantics for communicating processes with shared variables and its formal encoding in PVS. **Formal Aspects of Computing**. 30(3-4):351-380. 2018. (**CCF-B**)
16. Y. Fei, H. Zhu, X. Wu, H. Fang, S. Qin. Comparative modelling and verification of Pthreads and Dthreads. **Journal of Software: Evolution and Process** 30(3) (2018). (**CCF-B**)
17. A. Costea, W.-N. Chin, S. Qin and F. Craciun. Automated Modular Verification for Relaxed Communication Protocols. The 16th Asian Symposium on Programming Languages and Systems (**APLAS**). Wellington, New Zealand. 2-6 Dec 2018.
18. F. Craciun, W.-N. Chin and S. Qin. Variant Region Types. The 23rd International Conference on Engineering of Complex Computer Systems (**ICECCS** 2018). Melbourne, Australia. 12-14 December 2018.

19. W. Xie, H. Zhu and S. Qin. UTP Semantics for BigrTiMo. The 20th International Conference on Formal Engineering Methods (**ICFEM** 2018). Gold Coast, Australia. 12-16 November 2018.
20. Z. Xu, K. Ren, S. Qin and F. Craciun. CDGDroid: Android Malware Detection Based on Deep Learning using CFG and DFG. The 20th International Conference on Formal Engineering Methods (**ICFEM** 2018). Gold Coast, Australia. 12-16 November 2018.
21. M. He, S. Qin and J. Ferreira. Towards a Program Logic for C11 Release Sequences. The 12th International Symposium on Theoretical Aspects of Software Engineering (TASE'18). Guangzhou, China. 29-31 August 2018.
22. J. Wang, J. Sun, Y. Jia, S. Qin and Z. Xu. Towards 'Verifying' a Water Treatment System. 22nd International Symposium on Formal Methods (**FM** 2018), 15-17 July 2018, Oxford, UK. (**CCF-B**)
23. L. H. Pham, Q. L. Le, Q.-S. Phan, J. Sun, S. Qin: Testing heap-based programs with Java StarFinder. **ICSE** (Companion Volume) 2018: 268-269 (**CCF-A**)
24. Q. L. Le, J. Sun, S. Qin. Frame Inference for Inductive Entailment Proofs in Separation Logic. 24th International Conference on Tools and Algorithms for the Construction and Analysis of Systems (**TACAS** 2018). LNCS 10805. Pages 41-60. Thessaloniki, Greece. 14-20 April 2018. (**CCF-B**)
25. S. Qin, G. He, W.-N. Chin, F. Craciun, M. He, Z. Ming. Automated Specification Inference in a Combined Domain via User-Defined Predicates. **Science of Computer Programming**. 148:189-212 (2017). Elsevier. (**CCF-B**)
26. M. He, V. Vafeiadis, S. Qin, J. F. Ferreira. GPS+: Reasoning about Fences and Relaxed Atomics. **International Journal of Parallel Programming** (2017). Pages 1-27.
27. X. Wang, J. Sun, T. Wang, and S. Qin. Language Inclusion Checking of Timed Automata with Non-zenoness. **IEEE Transactions on Software Engineering**. 43(11):995-1008 (2017). (**CCF-A**)
28. R. Banach, M. Butler, S. Qin, H. Zhu. Core Hybrid Event-B II: Multiple Cooperating Hybrid Event-B Machines. **Science of Computer Programming**. 139:1-35 (2017). Elsevier. (**CCF-B**)
29. C. Huang, X. Chen, Y. Zhang, S. Qin, Y. Zeng, X. Li. Switched Linear Multi-Robot Navigation Using Hierarchical Model Predictive Control. International Joint Conference on Artificial Intelligence (**IJCAI**-17). Melbourne. 19-25th August 2017. (**CCF-A**)
30. J. Wang, X. Chen, J. Sun, and S. Qin. Improving Probability Estimation through Active Probabilistic Model Learning. 19th International Conference on Formal Engineering Methods. Xi'an, China. 13-17th Nov 2017.
31. Z. Xu, C. Wen, and S. Qin. Learning Types for Binaries. 19th International Conference on Formal Engineering Methods. Xi'an, China. 13-17th Nov 2017.
32. H. Jiang, H. Yang, S. Qin, Z. Su, J. Zhang, and J. Yan. Detecting Energy Bugs in Android Apps Using Static Analysis. 19th International Conference on Formal Engineering Methods. Xi'an, China. 13-17th Nov 2017.
33. Z. Xu, C. Wen, S. Qin, Z. Ming: Effective Malware Detection Based on Behaviour and Data Features. SmartCom 2017: 53-66
34. C. Mu and S. Qin. Time-sensitive Information Flow Control in Timed Event-B. 11th International Symposium on Theoretical Aspects of Software

Engineering (TASE 2017). Sophia Antipolis, France. 13-15 Sep 2017.

35. Y. Zeng, X. Chen, G. Cong, S. Qin, J. Tang, Y. Xiang: Maximizing influence under influence loss constraint in social networks. **Expert Systems with Applications**. 55: 255-267 (2016) (**SCI-Q1**)
36. C. Huang, X. Chen, Y. Zhang, S. Qin, Y. Zeng, X. Li. Hierarchical Model Predictive Control for Navigation of Multi-Robot Systems. International Joint Conference on Artificial Intelligence (**IJCAI**-16). New York City. 9-15th July 2016. (**CCF-A**)
37. M. He, V. Vafeiadis, S. Qin, J. F. Ferreira. Reasoning about Fences and Relaxed Atomics. 24th Euromicro International Conference on Parallel, Distributed, and Network-Based Processing (PDP 2016). Pages 520-527. Heraklion, Crete, Greece, February 17-19, 2016.
38. Z. Xu, D. Fan, S. Qin: State-Taint Analysis for Detecting Resource Bugs. 10th International Symposium on Theoretical Aspects of Software Engineering (TASE 2016). Pages 168-175.
39. Z. Wu, Y. Xu, A. Gunay, Y. Liu, S. Qin. Concurrent On-the-Fly SCC Detection for Automata-Based Model Checking with Fairness Assumption. 21st International Conference on Engineering of Complex Computer Systems (ICECCS 2016). Pages 135-144.
40. H. Pang, J. Li, Y. Ruan, Y. Huang, J. Shi, S. Qin. Formalization and Verification of the Powerlink Protocol Using CSP. 23rd Asia-Pacific Software Engineering Conference (APSEC 2016). Pages 321-328.
41. R. Banach, M. Butler, S. Qin, N. Verma, and H. Zhu. Core Hybrid Event-B I: Single Hybrid Event-B Machines. **Science of Computer Programming**. 105:92–123 (2015).
42. H. Zhu, J. He, S. Qin, P. J. Brooke. Denotational semantics and its algebraic derivation for an event-driven system-level language. **Formal Aspects of Computing.** 27(1): 133-166 (2015). (**CCF-B**)
43. Y. Huang, J. He, H. Zhu, Y. Zhao, J. Shi, S. Qin. Semantic theories of programs with nested interrupts. **Frontiers of Computer Science**. 9(3): 331-345 (2015).
44. J. Sun, H. Xiao, Y. Liu, S.-W. Lin and S. Qin. TLV: Abstraction through Testing, Learning and Validation. The Joint Meeting of ACM SIGSOFT Symposium on the Foundations of Software Engineering and the European Software Engineering Conference (**FSE/ESEC**). Bergamo, Italy. 2-4 Sep 2015. (**CCF-A**)
45. T. C. Le, S. Qin and W.-N. Chin. Termination and Non-termination Specification Inference. The 36th ACM SIGPLAN Conference on Programming Language Design and Implementation (**PLDI'15**). Pages 489-498. The ACM Press. Portland, Oregon, United States, 13-17 June, 2015. (**CCF-A**)
46. Y. Zeng, X. Chen, X. Cao, S. Qin, M. Cavazza, and Y. Xiang. Optimal Route Search with the Coverage of Users' Preferences. International Joint Conference on Artificial Intelligence (**IJCAI**-15). Buenos Aires, Argentina. 25-31 July 2015. (**CCF-A**)
47. X. Chen, Y. Zeng, G. Cong, S. Qin, Y. Xiang, and Y. Dai. On Information Coverage for Location Category Based Point-of-Interest Recommendation. The 29th AAAI Conference on Artificial Intelligence (**AAAI**-15). Pages 37-43. Austin, Texas, USA. 25-30 January 2015. (**CCF-A**)
48. S. Qin, G. He, C. Luo, W.-N. Chin, and H. Yang. Automatically Refining

Partial Specifications for Heap-Manipulating Programs. **Science of Computer Programming**. 82 (2014):56-76. Elsevier. (**CCF-B**)

49. C. Gherghina, C. David, S. Qin and W.-N. Chin. Expressive Program Verification via Structured Specifications. **International Journal on Software Tools for Technology Transfer**. 16(4):363-380. Springer. 2014.
50. J. Ferreira, C. Gherghina, G. He, S. Qin and W.- N. Chin. Automated Verification of the FreeRTOS Scheduler in HIP/SLEEK. **International Journal on Software Tools for Technology Transfer**. 16(4):381-397. Springer. 2014.
51. Q. L. Le, C. Gherghina, S. Qin and W.-N. Chin. Shape Analysis via Second-Order Bi-Abduction. 26th International Conference on Computer Aided Verification (**CAV** 2014). LNCS 8559. Pages:52-68. July 18-22, 2014. Vienna, Austria. (**CCF-A**)
52. H. Yang, K. Ma, J. Wang, J. Yan, J. Zhang, and S. Qin. Choreography Scenario-Based Test Data Generation Using a Combinatorial Approach. 8th International Symposium on Theoretical Aspects of Software Engineering. 1-3 Sep 2014. Changsha, China. The IEEE CS Press.
53. H. Yang, C. Cai, L. Peng, X. Zhao, Z. Qiu and S. Qin. Algorithms for checking channel passing in web service choreography. **Frontiers of Computer Science.** Springer Berlin Heidelberg. 2013.
54. S. Qin, G. He, C. Luo, W.-N. Chin, and X. Chen. Loop Invariant Synthesis in a Combined Abstract Domain. **Journal of Symbolic Computation**. 50 (2013): 386-408. Elsevier. (DOI: 10.1016/j.jsc.2012.08.007) (**CCF-B**)
55. G. He, S. Qin, W.-N. Chin, and F. Craciun. Automated Specification Discovery via User-Defined Predicates. The 15th International Conference on Formal Engineering Methods (ICFEM'13). LNCS 8144, pp. 398-415. Queenstown, New Zealand, 29 Oct - 1 Nov 2013.
56. L. Zou, N. Zhan, S. Wang, M. Franzle, and S. Qin. Verifying Simulink Diagrams via a Hybrid Hoare Logic Prover. International Conference on Embedded Software (**EMSOFT'13**). Sept 29 - Oct 04, 2013. Montreal, Canada. The ACM Press. (**CCF-B**)
57. Y. Huang, J. Ferreira, G. He, S. Qin, J. He. Deadline Analysis of AUTOSAR OS Periodic Tasks in the Presence of Interrupts. The 15th International Conference on Formal Engineering Methods (ICFEM). LNCS 8144, pp. 166--182. Queenstown, New Zealand, 29 Oct - 1 Nov 2013.
58. L. Shi, Y. Zhao, Y. Liu, J. Sun, J. S. Dong, and S. Qin. A UTP Semantics for Communicating Processes with Shared Variables. The 15th International Conference on Formal Engineering Methods (ICFEM'13). Queenstown, New Zealand, 29 Oct - 1 Nov 2013.
59. S. Qin, G. He, W.-N. Chin, and H. Yang. Invariants Synthesis over a Combined Domain for Automated Program Verification. Theories of Programming and Formal Methods. Essays Dedicated to Jifeng He on the Occasion of His 70th Birthday. LNCS 8051, pp. 304--325. 1-3 Sep 2013.
60. G. Barnett and S. Qin. Data-Race-Freedom of Concurrent Programs. The 20th Asia-Pacific Software Engineering Conference (APSEC 2013). 2-5 December 2013. Bangkok, Thailand.
61. P. Liu, H. Zhu, S. Qin, P. Brooke and X. Wu. Linking the Semantics of BPEL using Maude. The 20th Asia-Pacific Software Engineering Conference (APSEC 2013). 2-5 December 2013. Bangkok, Thailand.
62. M. Yang, Z. Wang, G. Pu, S. Qin, B. Gu, and J. He. The Stochastic

Semantics and Verification for Periodic Control Systems. **Science China: Information Sciences**. 55(12): 2675–2693. 2012. (**CCF-B**)

63. H. Zhu, F. Yang, J. He, J. Bowen, J. W. Sanders, and S. Qin. Linking Operational Semantics and Algebraic Semantics for a Probabilistic Timed Shared-Variable Language. **Journal of Logic and Algebraic Programming**. 81(1):2-25. 2012. Elsevier.
64. W.-N. Chin, C. David, H. H. Nguyen, and S. Qin. Automated Verification of Shape, Size and Bag Properties via User-Defined Predicates in Separation Logic. **Science of Computer Programming**. 77(9):1006-1036. 2012. Elsevier. (DOI: 10.1016/j.scico.2010.07.004) (**CCF-B**)
65. G. Barnett and S. Qin. A Composable Mixed Mode Concurrency Control Semantics for Transactional Programs. The 14th International Conference on Formal Engineering Methods (ICFEM'12). Lecture Notes in Computer Science. Kyoto, Japan, 12-16 November 2012.
66. Z. Wang, G. Pu, J. Li, J. He, S. Qin, K. G. Larsen, J. Madsen, B. Gu. MDM: a Mode Diagram Modeling Framework for Periodic Control Systems. The 1st International Workshop on Formal Techniques for Safety-Critical Systems. Kyoto, Japan, 12 Nov 2012. EPTCS 105, 2012, pp. 135-149.
67. Y. Huang, Y. Zhao, S. Qin, G. He and J. F. Ferreira. A Timed CSP Model for the Time-Triggered Language Giotto. 35th Annual IEEE Software Engineering Workshop. Heraclion, Crete, Greece, 12-13 October 2012.
68. H. Zhu, Q. Xu, C. Ma, S. Qin, and Z. Qiu. The Rely/Guarantee Approach to Verifying Concurrent BPEL Programs. The 10th International Conference on Software Engineering and Formal Methods (SEFM'12). Thessaloniki, Greece. 1-5 October 2012.
69. Y. Huang, Y. Zhao, J. Shi, H. Zhu and S. Qin. Investigating Time Properties of Interrupt- Driven Programs. The 15th Brazilian Symposium on Formal Methods (SBMF'12). 23- 28 September 2012. Natal-RN.
70. H. Zhu, P. Liu, J. He and S. Qin. Mechanical Approach to Linking Operational Semantics and Algebraic Semantics for Verilog. The 4th International Symposium on Unifying Theories of Programming. 27-28 Aug 2012. Lecture Notes in Computer Science. Vol 7681. Paris, France.
71. H. Zhu, J. W. Sanders, J. He and S. Qin. Denotational Semantics for a Probability Timed Shared-Variable Language. The 4th International Symposium on Unifying Theories of Programming. 27-28 August 2012. Lecture Notes in Computer Science. Volume 7681. Paris, France.
72. G. Barnett and S. Qin. Moverness for Locks and Transactions. The 6th International Symposium on Theoretical Aspects of Software Engineering (TASE'12). Beijing, China. 4-6 July 2012.
73. J. Ferreira, G. He, and S. Qin. Automated Verification of the FreeRTOS Scheduler in HIP/SLEEK. The 6th International Symposium on Theoretical Aspects of Software Engineering (TASE'12). Beijing, China. 4-6 July 2012.
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